

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 20549

FORM 8-K

CURRENT REPORT  
Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): **October 31, 2025**

**SmartKem, Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction  
of incorporation)

**001-42115**  
(Commission  
File Number)

**85-1083654**  
(IRS Employer  
Identification No.)

**Manchester Technology Center, Hexagon Tower**  
**Delaunays Road, Blackley**  
**Manchester, M9 8GQ U.K.**  
(Address of principal executive offices, including zip code)

**011-44-161-721-1514**  
(Registrant's telephone number, including area code)

**N/A**  
(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- ☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- ☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- ☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- ☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

| Title of each class                        | Trading Symbol(s) | Name of exchange on which registered |
|--------------------------------------------|-------------------|--------------------------------------|
| Common Stock, par value \$0.0001 per share | SMTK              | The Nasdaq Stock Market LLC          |

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b - 2 of the Securities Exchange Act of 1934 (§240.12b - 2 of this chapter).

Emerging growth company ☒

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

**Item 1.01 Entry into a Material Definitive Agreement.**

On October 31, 2025, SmartKem, Inc. (the "Company"), entered into a securities purchase agreement (the "Purchase Agreement") with certain purchasers (the "Purchasers"), pursuant to which the Company issued and sold to the Purchasers in a private placement: (i) Senior Secured Notes (the "Notes") in the aggregate principal amount of \$1,100,000 and (ii) warrants (the "Warrants") exercisable for up to an aggregate of 400,000 shares of the Company's common stock, par value \$0.0001 per share (the "Common Stock"), at an exercise price of \$2.75 per share for an aggregate purchase price of \$1,000,000.

The Purchase Agreement contains customary representations, warranties and agreements of the Company and the Purchasers and customary indemnification rights and obligations of the parties. The Purchase Agreement provides the Purchasers with "piggy-back" registration rights in certain circumstances.

The Notes mature on April 30, 2026 and do not bear interest prior to an event of default. If an event of default occurs, interest will accrue at an interest rate equal to the lesser of 10% of the accrued principal amount due and owing under the Note per annum or the maximum rate permitted under applicable law. The Notes are not convertible into shares of Common Stock.

In connection with the issuance of the Notes, on October 31, 2025, the Company and its subsidiaries entered into a security agreement with The Hewlett Fund LP, as collateral agent (the "Security Agreement"). Pursuant to the Security Agreement, each of the Company and its subsidiaries granted the collateral agent a security interest in substantially all of their assets for the benefit of the Purchasers.

The Warrants have an exercise price of \$2.75 per share. The Warrants are exercisable upon issuance and will expire five (5) years from the date of issuance. The Warrants are exercisable in whole or in part in cash. If at the time of exercise more than six months after the issuance date there is no effective registration statement registering,

or the prospectus contained therein is not available for the resale or other disposition of the shares of Common Stock underlying the Warrants, then the Warrants may also be exercised, in whole or in part, at such time by means of a cashless exercise, in which case the holder would receive upon such exercise the net number of shares of Common Stock determined according to the formula set forth in the Warrant.

A holder of Warrants will not have the right to exercise any portion of its Warrants if the holder, together with its affiliates, would beneficially own in excess of 4.99% (or, at the election of the holder prior to issuance of the Warrants, 9.99%) of the number of shares of the Company's Common Stock outstanding immediately after giving effect to such exercise. A holder may increase or decrease the beneficial ownership limitation up to 9.99%, provided, however, that any increase in the beneficial ownership limitation shall not be effective until 61 days following notice of such change to us. In the event of certain fundamental transactions, the holder of the Warrants will have the right to receive the Black Scholes Value of its Warrants calculated pursuant to a formula set forth in the Warrants.

The securities described above were sold to the Purchasers without registration under the Securities Act or state securities laws in reliance on the exemptions provided by Section 4(a)(2) of the Securities Act and/or Regulation D promulgated thereunder and in reliance on similar exemptions under applicable state laws.

The foregoing descriptions of the terms and conditions of the Securities Purchase Agreement, the Notes, the Security Agreement and the Warrants are summaries only, are not intended to be complete, and are qualified in their entirety by reference to the forms of such agreements, which are attached to this Current Report on Form 8-K as Exhibits 10.1, 10.2, 10.3, and 4.1, respectively, and are incorporated herein by reference in their entirety.

The representations, warranties and covenants made by the Company in any agreement that is incorporated by reference herein were made solely for the benefit of the parties to such agreement, including, in some cases, for the purpose of allocating risk among the parties to such agreements. In addition, the assertions embodied in any representations, warranties and covenants contained in such agreements may be subject to qualifications with respect to knowledge and materiality different from those applicable to security holders generally. Moreover, such representations, warranties or covenants were accurate only as of the date when made, except where expressly stated otherwise. Accordingly, such representations, warranties and covenants should not be relied on as accurately representing the current state of the Company's affairs at any time.

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**Item 2.03      Creation of a Direct Financial Obligation under an Off-Balance Sheet Arrangement of a Registrant.**

The information contained in response to Item 1.01 above is incorporated herein by reference.

**Item 3.02      Unregistered Sale of Equity Securities.**

The information contained in response to Item 1.01 above is incorporated herein by reference.

**Item 8.01      Other Events.**

As a result of the Company's need for additional capital, the Company has significantly curtailed its operations and delayed payments to its vendors as a part of its plan to conserve cash. Consequently, the Company's accounts payable have increased significantly since June 30, 2025. The Company will require significant additional capital in order to pay vendors and to resume normal operations.

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**Item 9.01      Financial Statements and Exhibits.**

*(d) Exhibits.*

| Exhibit No.          | Description                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">4.1</a>  | <a href="#">Form of Warrant</a>                                                                                                        |
| <a href="#">10.1</a> | <a href="#">Form of Securities Purchase Agreement</a>                                                                                  |
| <a href="#">10.2</a> | <a href="#">Form of Senior Secured Note</a>                                                                                            |
| <a href="#">10.3</a> | <a href="#">Security Agreement, dated October 31, 2025, by and between SmartKem, Inc. and The Hewlett Fund LP, as collateral agent</a> |
| 104                  | Cover Page Interactive Data File (embedded within the Inline XBRL document)                                                            |

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**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**SMARTKEM, INC.**

Dated: November 3, 2025

By: /s/ Barbra C. Keck  
Name: Barbra C. Keck  
Title: Chief Financial Officer

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NEITHER THIS SECURITY NOR THE SECURITIES FOR WHICH THIS SECURITY IS EXERCISABLE HAVE BEEN REGISTERED WITH THE SECURITIES AND EXCHANGE COMMISSION OR THE SECURITIES COMMISSION OF ANY STATE IN RELIANCE UPON AN EXEMPTION FROM REGISTRATION UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), AND, ACCORDINGLY, MAY NOT BE OFFERED OR SOLD EXCEPT PURSUANT TO AN EFFECTIVE REGISTRATION STATEMENT UNDER THE SECURITIES ACT OR PURSUANT TO AN AVAILABLE EXEMPTION FROM, OR IN A TRANSACTION NOT SUBJECT TO, THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT AND IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS AS EVIDENCED BY A LEGAL OPINION OF COUNSEL TO THE TRANSFEROR TO SUCH EFFECT, THE FORM AND SUBSTANCE OF WHICH SHALL BE REASONABLY ACCEPTABLE TO THE COMPANY. THIS SECURITY AND THE SECURITIES ISSUABLE UPON EXERCISE OF THIS SECURITY MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT OR OTHER LOAN SECURED BY SUCH SECURITIES.

THE NUMBER OF WARRANT SHARES AVAILABLE FOR PURCHASE HEREUNDER AT ANY GIVEN TIME MAY BE LESS THAN THE AMOUNT STATED ON THE FACE HEREOF.

## COMMON STOCK PURCHASE WARRANT

SMARTKEM, INC.

Warrant Shares: [\*]

Original Issuance Date: October [ \* ], 2025

Warrant No: 25-[ \* ]

THIS COMMON STOCK PURCHASE WARRANT (the "Warrant") certifies that, for value received, [REQUIRES COMPLETION], or its assigns (the "Holder") is entitled, upon the terms and subject to the limitations on exercise and the conditions hereinafter set forth, at any time on or after the Original Issuance Date specified above (the "Initial Exercise Date") and on or prior to the close of business on the five (5) year anniversary of the Initial Exercise Date (the "Termination Date") but not thereafter, to subscribe for and purchase from SMARTKEM, INC., a Delaware corporation (the "Company"), up to [RC] shares (as subject to adjustment hereunder, the "Warrant Shares") of Common Stock. The purchase price of one share of Common Stock under this Warrant shall be equal to the Exercise Price, as defined in Section 2(b).

1. Definitions. Capitalized terms used and not otherwise defined herein shall have the meanings set forth in that certain Securities Purchase Agreement (the "Purchase Agreement"), dated October [ \* ], 2025, among the Company and the purchasers signatory thereto.

### 2. Exercise.

a) Exercise of the purchase rights represented by this Warrant may be made, in whole or in part, at any time or times on or after the Initial Exercise Date and on or before the Termination Date by delivery to the Company (or such other office or agency of the Company as it may designate by notice in writing to the registered Holder at the address of the Holder appearing on the books of the Company) of a duly executed facsimile copy of the Notice of Exercise Form annexed hereto. Within one (1) Trading Day following the date of exercise as aforesaid, the Holder shall deliver the aggregate Exercise Price for the shares specified in the applicable Notice of Exercise by wire transfer or cashier's check drawn on a United States bank unless the cashless exercise procedure specified in Section 2(c) below is specified in the applicable Notice of Exercise. No ink-original Notice of Exercise shall be required, nor shall any medallion guarantee (or other type of guarantee or notarization) of any Notice of Exercise be required. Notwithstanding anything herein to the contrary (although the Holder may surrender the Warrant to, and receive a replacement Warrant from, the Company), the Holder shall not be required to physically surrender this Warrant to the Company until the Holder has purchased all of the Warrant Shares available hereunder and the Warrant has been exercised in full, in which case, the Holder shall surrender this Warrant to the Company for cancellation within five (5) Trading Days of the date the final Notice of Exercise is delivered to the Company. Partial exercises of this Warrant resulting in purchases of a portion of the total number of Warrant Shares available hereunder shall have the effect of lowering the outstanding number of Warrant Shares purchasable hereunder in an amount equal to the applicable number of Warrant Shares purchased. The Holder and the Company shall maintain records showing the number of Warrant Shares purchased and the date of such purchases. The Company shall deliver any objection to any Notice of Exercise Form within one (1) Trading Day of delivery of such notice. **The Holder and any assignee, by acceptance of this Warrant, acknowledge and agree that, by reason of the provisions of this paragraph, following the purchase of a portion of the Warrant Shares hereunder, the number of Warrant Shares available for purchase hereunder at any given time may be less than the amount stated on the face hereof.**

b) Exercise Price. The exercise price per share of Common Stock under this Warrant shall be \$2.75 subject to adjustment as described herein ("Exercise Price").

c) Cashless Exercise. Commencing on the six-month anniversary of the Original Issuance Date, if at the time of exercise hereof there is no effective registration statement registering the resale of the Warrant Shares, or no current prospectus available for the resale of the Warrant Shares by the Holder, then this Warrant may also be exercised at the Holder's election, in whole or in part, at such time by means of a "cashless exercise" in which the Holder shall be entitled to receive a number of Warrant Shares equal to the quotient obtained by dividing [(A-B) (X)] by (A), where:

(A) = the VWAP (as defined in the Purchase Agreement) on the Trading Day immediately preceding the date on which Holder elects to exercise this Warrant by means of a "cashless exercise," as set forth in the applicable Notice of Exercise;

(B) = the Exercise Price of this Warrant, as adjusted hereunder; and

(X)=the number of Warrant Shares that would be issuable upon exercise of this Warrant in accordance with the terms of this Warrant if such exercise were by means of a cash exercise rather than a cashless exercise.

If Warrant Shares are issued in such a cashless exercise, the parties acknowledge and agree that in accordance with Section 3(a)(9) of the Securities Act, the Warrant Shares shall take on the characteristics of the Warrants being exercised, and the holding period of the Warrant Shares being issued may be tacked on to the holding period of this Warrant. The Company agrees not to take any position contrary to this Section 2(c).

### d) Mechanics of Exercise.

i. Delivery of Warrant Shares Upon Exercise. Warrant Shares purchased hereunder shall be transmitted by the Transfer Agent to the Holder by crediting

the account of the Holder's prime broker with The Depository Trust Company through its Deposit or Withdrawal at Custodian system ("DWAC") if the Company is then a participant in such system and either (A) there is an effective registration statement permitting the issuance of the Warrant Shares to or resale of the Warrant Shares by the Holder, (B) this Warrant is being exercised via cashless exercise and Rule 144 is available and the Holder has previously agreed to the covenant set forth in Section 4.1(e) of the Purchase Agreement or (C) the Warrant Shares are being sold by the Holder pursuant to an exemption from the registration requirements of the Securities Act, and such Holder has previously provided the Company with a legal opinion of counsel reasonably acceptable to Company that such sale is exempt from the registration requirements of the Securities Act, and otherwise by issuance of a book entry receipt by the Transfer Agent representing such Warrant Shares by the date that is the earlier of (i) two (2) Trading Days after the latest of (A) the delivery to the Company of the Notice of Exercise, (B) surrender of this Warrant (if required) and (C) payment of the aggregate Exercise Price as set forth above (including by cashless exercise, if permitted), and (ii) the number of Trading Days comprising the Standard Settlement Period (as defined in the Purchase Agreement) (such date, the "Warrant Share Delivery Date"). The Warrant Shares shall be deemed to have been issued, and Holder or any other person so designated to be named therein shall be deemed to have become a book of record of such shares for all purposes, as of the date the Warrant has been exercised, with payment to the Company of the Exercise Price (or by cashless exercise, if permitted) and all taxes required to be paid by the Holder, if any, pursuant to Section 2(d)(vi) prior to the Warrant Share Delivery Date having been paid in full. The Company understands that a delay by it or the Transfer Agent in the delivery of the Warrant Shares after the Warrant Share Delivery Date could result in economic loss to the Holder. As compensation to the Holder for such loss, the Company agrees to pay (as liquidated damages and not as a penalty) to the Holder for late issuance of Warrant Shares upon exercise of this Warrant the proportionate amount of \$10 per Trading Day (increasing to \$20 per Trading Day after the fifth (5<sup>th</sup>) Trading Day) commencing three (3) Trading Days after the Warrant Share Delivery Date for each \$1,000 of Exercise Price of Warrant Shares for which this Warrant is exercised which are not timely delivered. The Company shall pay any payments incurred under this Section in immediately available funds upon demand.

ii. Delivery of New Warrants Upon Exercise. If this Warrant shall have been exercised in part, the Company shall, at the request of a Holder and upon surrender of this Warrant certificate, at the time of delivery of the certificate or certificates representing Warrant Shares, deliver to the Holder a new Warrant evidencing the rights of the Holder to purchase the unpurchased Warrant Shares called for by this Warrant, which new Warrant shall in all other respects be identical with this Warrant and which shall bear the same Original Issuance Date as the surrendered Warrant.

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iii. Revocation of Exercise. In addition to any other remedies which may be available to the Holder, in the event that the Company fails for any reason to effect delivery of the Warrant Shares by the Warrant Share Delivery Date, the Holder may revoke all or part of the relevant Warrant exercise by delivery of a notice to such effect to the Company, whereupon the Company and the Holder shall each be restored to their respective positions immediately prior to the exercise of the relevant portion of this Warrant, except that the liquidated damages described above shall be payable through the date notice of revocation or rescission is given to the Company.

iv. Compensation for Buy-In on Failure to Timely Deliver Certificates Upon Exercise. In addition to any other rights available to the Holder, if the Company fails to cause the Transfer Agent to transmit the Warrant Shares for delivery as provided in Section 2(d)(i) above pursuant to an exercise on or before the Warrant Share Delivery Date, and if after such date the Holder is required by its broker to purchase (in an open market transaction or otherwise) or the Holder's brokerage firm otherwise purchases, shares of Common Stock to deliver in satisfaction of a sale by the Holder of the Warrant Shares which the Holder anticipated receiving upon such exercise (a "Buy-In"), then the Company shall (A) pay in cash to the Holder the amount, if any, by which (x) the Holder's total purchase price (including brokerage commissions, if any) for the shares of Common Stock so purchased exceeds (y) the amount obtained by multiplying (1) the number of Warrant Shares that the Company was required to deliver to the Holder in connection with the exercise at issue times (2) the price at which the sell order giving rise to such purchase obligation was executed, and (B) at the option of the Holder, either reinstate the portion of the Warrant and equivalent number of Warrant Shares for which such exercise was not honored (in which case such exercise shall be deemed rescinded) or deliver to the Holder the number of Warrant Shares that would have been issued had the Company timely complied with its exercise and delivery obligations hereunder. For example, if the Holder purchases shares of Common Stock having a total purchase price of \$11,000 to cover a Buy-In with respect to an attempted exercise of this Warrant for shares of Common Stock with an aggregate sale price giving rise to such purchase obligation of \$10,000, under clause (A) of the immediately preceding sentence the Company shall be required to pay the Holder \$1,000. The Holder shall provide the Company written notice indicating the amounts payable to the Holder in respect of the Buy-In and, upon request of the Company, evidence of the amount of such loss. Nothing herein shall limit a Holder's right to pursue any other remedies available to it hereunder, at law or in equity including, without limitation, a decree of specific performance and/or injunctive relief with respect to the Company's failure to timely deliver Warrant Shares upon exercise of the Warrant as required pursuant to the terms hereof.

v. No Fractional Shares or Scrip. No fractional shares or scrip representing fractional shares shall be issued upon the exercise of this Warrant. As to any fraction of a share which the Holder would otherwise be entitled to purchase upon such exercise, the Company shall, at its election, either pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the Exercise Price or round up to the next whole share.

vi. Charges, Taxes and Expenses. Issuance of Warrant Shares shall be made without charge to the Holder for any issue or transfer tax or other incidental expense in respect of the issuance of such Warrant Shares, all of which taxes and expenses shall be paid by the Company, and such Warrant Shares shall be issued in the name of the Holder or in such name or names as may be directed by the Holder in accordance with the provisions of Section 2(d)(i) hereof; provided, however, that in the event Warrant Shares are to be issued in a name other than the name of the Holder, this Warrant when surrendered for exercise shall be accompanied by the Assignment Form attached hereto duly executed by the Holder and the Company may require, as a condition thereto, the payment of a sum sufficient to reimburse it for any transfer tax incidental thereto. The Company shall pay all Transfer Agent fees required for same-day processing of any Notice of Exercise and all fees to the Depository Trust Company (or another established clearing corporation performing similar functions) required for same-day electronic delivery of the Warrant Shares.

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vii. Closing of Books. The Company will not close its stockholder books or records in any manner which prevents the timely exercise of this Warrant, pursuant to the terms hereof.

e) Holder's Exercise Limitations. The Company shall not effect any exercise of this Warrant, and a Holder shall not have the right to exercise any portion of this Warrant, pursuant to Section 2 or otherwise, to the extent that after giving effect to such issuance after exercise as set forth on the applicable Notice of Exercise, the Holder (together with the Holder's Affiliates, and any other Persons acting as a group together with the Holder or any of the Holder's Affiliates (such Persons, "Attribution Parties")), would beneficially own in excess of the Beneficial Ownership Limitation (as defined below). For purposes of the foregoing sentence, the number of shares of Common Stock beneficially owned by the Holder and its Affiliates and Attribution Parties shall include the number of shares of Common Stock issuable upon exercise of this Warrant with respect to which such determination is being made, but shall exclude the number of shares of Common Stock which would be issuable upon (i) exercise of the remaining, nonexercised portion of this Warrant beneficially owned by the Holder or any of its Affiliates or Attribution Parties and (ii) exercise or conversion of the unexercised or nonconverted portion of any other securities of the Company (including, without limitation, any other Common Stock Equivalents) subject to a limitation on conversion or exercise analogous to the limitation contained herein beneficially owned by the Holder or any of its Affiliates or Attribution Parties. Except as set forth in the preceding sentence, for purposes of this Section 2(e), beneficial ownership shall be calculated in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder, it being acknowledged by the Holder that the Company is not representing to the Holder that such calculation is in compliance with Section 13(d) of the Exchange Act and the Holder is solely responsible for any schedules required to be filed in accordance therewith. To the extent that the limitation contained in this Section 2(e) applies, the determination of whether this Warrant is exercisable (in relation to other securities owned by the Holder together with any Affiliates and Attribution Parties) and of which portion of this Warrant is exercisable shall be in the sole discretion of the Holder, and the submission of a Notice of Exercise or other exercise by Holder of its rights under this Warrant, shall be deemed to be the Holder's determination of whether this Warrant or such other rights are exercisable (in relation to other securities

owned by the Holder together with any Affiliates and Attribution Parties) and of which portion of this Warrant or such other rights are exercisable, in each case subject to the Beneficial Ownership Limitation, and the Company shall have no obligation to verify or confirm the accuracy of such determination. In addition, a determination as to any group status as contemplated above shall be determined in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder. For purposes of this Section 2(e), in determining the number of outstanding shares of Common Stock, a Holder may rely on the number of outstanding shares of Common Stock as reflected in (A) the Company's most recent periodic or annual report filed with the Commission, as the case may be, (B) a more recent public announcement by the Company or (C) a more recent written notice by the Company or the Transfer Agent setting forth the number of shares of Common Stock outstanding. Upon the written or oral request of a Holder, the Company shall within two Trading Days confirm orally and in writing to the Holder the number of shares of Common Stock then outstanding. In any case, the number of outstanding shares of Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including this Warrant, by the Holder or its Affiliates or Attribution Parties since the date as of which such number of outstanding shares of Common Stock was reported, including securities converted or exercised prior to or at the same time as the exercise of this Warrant. The initial "Beneficial Ownership Limitation" shall be between 4.99% and 9.99% (as designated on the signature page hereto) of the number of shares of Common Stock outstanding immediately after giving effect to the issuance of Common Stock issuable upon exercise of this Warrant. The Holder may decrease the Beneficial Ownership Limitation at any time and the Holder, upon not less than 61 days' prior notice to the Company, may increase the Beneficial Ownership Limitation provisions of this Section 2(e), provided that the Beneficial Ownership Limitation in no event exceeds 9.99% of the number of shares of Common Stock outstanding immediately after giving effect to the issuance of the shares of Common Stock upon exercise of this Warrant held by the Holder and the provisions of this Section 2(e) shall continue to apply. Any such increase will not be effective until the 61<sup>st</sup> day after such notice is delivered to the Company. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 2(e) to correct this paragraph (or any portion hereof) which may be defective or inconsistent with the intended Beneficial Ownership Limitation herein contained or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitations contained in this paragraph shall apply to a successor holder of this Warrant.

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3. Certain Adjustments.

a) Stock Dividends and Splits. If the Company, at any time while this Warrant is outstanding: (i) pays a stock dividend or otherwise makes a distribution or distributions on shares of its Common Stock or any other equity or equity equivalent securities payable in shares of Common Stock (which, for avoidance of doubt, shall not include any shares of Common Stock issued by the Company upon exercise of this Warrant or pursuant to any of the other Transaction Documents), (ii) subdivides outstanding shares of Common Stock into a larger number of shares, (iii) combines (including by way of reverse stock split) outstanding shares of Common Stock into a smaller number of shares, or (iv) issues by reclassification of shares of the shares of Common Stock any shares of capital stock of the Company, then in each case the Exercise Price shall be multiplied by a fraction of which the numerator shall be the number of shares of Common Stock (excluding treasury shares, if any) outstanding immediately before such event and of which the denominator shall be the number of shares of Common Stock outstanding immediately after such event, and the number of shares issuable upon exercise of this Warrant shall be proportionately adjusted such that the aggregate Exercise Price of this Warrant shall remain unchanged. Any adjustment made pursuant to this Section 3(a) shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution and shall become effective immediately after the effective date in the case of a subdivision, combination or re-classification.

b) Subsequent Rights Offerings. In addition to any adjustments pursuant to Section 3(a) above, if at any time the Company grants, issues or sells any Common Stock Equivalents or rights to purchase stock, warrants, securities or other property pro rata to the record holders of shares of Common Stock (the "Purchase Rights"), then the Holder will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the date on which a record is taken for the grant, issuance or sale of such Purchase Rights, or, if no such record is taken, the date as of which the record holders of shares of Common Stock are to be determined for the grant, issue or sale of such Purchase Rights (provided, however, to the extent that the Holder's right to participate in any such Purchase Right would result in the Holder exceeding the Beneficial Ownership Limitation, then the Holder shall not be entitled to participate in such Purchase Right to such extent (or beneficial ownership of such shares of Common Stock as a result of such Purchase Right to such extent) and such Purchase Right to such extent shall be held in abeyance for the Holder until such time not exceeding twelve (12) months, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation) provided Holder complies with all the other obligations of a beneficiary of the Purchase Rights that would not result in Holder exceeding the Beneficial Ownership Limitation.).

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c) Pro Rata Distributions. During such time as this Warrant is outstanding, if the Company shall declare or make any dividend or other distribution of its assets (or rights to acquire its assets), pro rata to the record holders of shares of Common Stock, by way of return of capital or otherwise (including, without limitation, any distribution of cash, stock or other securities, property or options by way of a dividend, spin off, reclassification, corporate rearrangement, scheme of arrangement or other similar transaction) (a "Distribution"), at any time after the issuance of this Warrant, then, in each such case, the Holder shall be entitled to participate in such Distribution to the same extent that the Holder would have participated therein if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the date of which a record is taken for such Distribution, or, if no such record is taken, the date as of which the record holders of shares of Common Stock are to be determined for the participation in such Distribution (provided, however, that, to the extent that the Holder's right to participate in any such Distribution would result in the Holder exceeding the Beneficial Ownership Limitation, then the Holder shall not be entitled to participate in such Distribution to such extent (or in the beneficial ownership of any shares of Common Stock as a result of such Distribution to such extent) and the portion of such Distribution shall be held in abeyance for the benefit of the Holder until such time, if ever, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation).

d) [Reserved]

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e) Fundamental Transaction. If, at any time while this Warrant is outstanding, (i) the Company, directly or indirectly, in one or more related transactions effects any merger or consolidation of the Company with or into another Person for which (a) the Company is not the surviving entity, and (b) after giving effect to such transaction, the stockholders of the Company immediately prior to such transaction own less than 50.1% of the aggregate voting power of the surviving successor entity of such transaction, (ii) the Company (or all of its Subsidiaries, taken as a whole), directly or indirectly, effects any sale, lease, license, assignment, transfer, conveyance or other disposition of all or substantially all of its assets in one or a series of related transactions, (iii) any, direct or indirect, purchase offer, tender offer or exchange offer (whether by the Company or another Person) is completed pursuant to which holders of Common Stock are permitted to sell, tender or exchange their shares for other securities, cash or property and has been accepted by the holders of 50.1% or more of the aggregate voting power of the Company, (iv) the Company, directly or indirectly, in one or more related transactions effects any reclassification, reorganization or recapitalization of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property, or (v) the Company, directly or indirectly, in one or more related transactions consummates a

stock or share purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off, merger or scheme of arrangement) with another Person or group of Persons whereby such other Person or group (other than the Holder and its Affiliates or any “group” of which the Holder and its Affiliates are a part) acquires more than 50.1% of the outstanding voting power of the Company (not including any shares of Common Stock held by the other Person or other Persons making or party to, or associated or affiliated with the other Persons making or party to, such stock or share purchase agreement or other business combination) (each a “Fundamental Transaction”), then, upon any subsequent exercise of this Warrant, the Holder shall have the right to receive, for each Warrant Share that would have been issuable upon such exercise immediately prior to the occurrence of such Fundamental Transaction, at the option of the Holder (without regard to any limitation in Section 2(e) on the exercise of this Warrant), the number of shares of Common Stock of the successor or acquiring corporation or of the Company, if it is the surviving corporation, and any additional consideration (the “Alternate Consideration”) receivable as a result of such Fundamental Transaction by a holder of the number of shares of Common Stock for which this Warrant is exercisable immediately prior to such Fundamental Transaction (without regard to any limitation in Section 2(e) on the exercise of this Warrant). For purposes of any such exercise, the determination of the Exercise Price shall be appropriately adjusted to apply to such Alternate Consideration based on the amount of Alternate Consideration issuable in respect of one share of Common Stock in such Fundamental Transaction, and the Company shall apportion the Exercise Price among the Alternate Consideration in a reasonable manner reflecting the relative value of any different components of the Alternate Consideration. If holders of Common Stock are given any choice as to the securities, cash or property to be received in a Fundamental Transaction, then the Holder shall be given the same choice as to the Alternate Consideration it receives upon any exercise of this Warrant following such Fundamental Transaction. Notwithstanding anything to the contrary, in the event of a Fundamental Transaction (other than (x) any stock split or reverse stock split, (y) any transaction effected solely for the purpose of changing the jurisdiction of incorporation of the Company, or (z) any holding company reorganization or parent-subsidiary merger not requiring stockholder approval pursuant to Sections 251(g) or 253 of the Delaware General Corporation Law (or any successor provisions thereof)), and for the avoidance of doubt, the Fundamental Transaction is approved by the Company’s board of directors and within the control of the Company, the Company or any Successor Entity (as defined below) shall, at the Holder’s option, exercisable at any time concurrently with, or within 30 days after, the consummation of the Fundamental Transaction, purchase this Warrant from the Holder by paying to the Holder an amount of cash equal to the Black Scholes Value (as defined below) of the remaining unexercised portion of this Warrant on the date of the consummation of such Fundamental Transaction; provided, however, if the Fundamental Transaction is not within the Company’s control, including not approved by the Company’s Board of Directors, the Holder shall only be entitled to receive from the Company or any Successor Entity, as of the date of consummation of such Fundamental Transaction, the same type or form of consideration (and in the same proportion), at the Black Scholes Value of the unexercised portion of this Warrant, that is being offered and paid to the holders of Common Stock of the Company in connection with the Fundamental Transaction, whether that consideration be in the form of cash, stock or any combination thereof, or whether the holders of Common Stock are given the choice to receive from among alternative forms of consideration in connection with the Fundamental Transaction; provided, further, that if holders of Common Stock of the Company are not offered or paid any consideration in such Fundamental Transaction, such holders of Common Stock will be deemed to have received common stock of the Successor Entity (which Successor Entity may be the Company following such Fundamental Transaction) in such Fundamental Transaction. “Black Scholes Value” means the value of this Warrant based on the Black Scholes Option Pricing Model obtained from the “OV” function on Bloomberg determined as of the day of consummation of the applicable Fundamental Transaction for pricing purposes and reflecting (A) a risk-free interest rate corresponding to the U.S. Treasury rate for a period equal to the time between the date of the public announcement of the applicable Fundamental Transaction and the Termination Date, (B) an expected volatility equal to the 100 day volatility obtained from the HVT function on Bloomberg, L.P. (“Bloomberg”) (determined utilizing a 365-day annualization factor) as of the Trading Day immediately following the public announcement of the applicable Fundamental Transaction, (C) the underlying price per share used in such calculation shall be the sum of the price per share being offered in cash, if any, plus the value of any non-cash consideration, if any, being offered in such Fundamental Transaction and (D) a remaining option time equal to the time between the date of the public announcement of the applicable Fundamental Transaction and the Termination Date. The payment of the Black Scholes Value will be made by wire transfer of immediately available funds within five (5) Trading Days of the Holder’s election (or, if later, on the effective date of the Fundamental Transaction). The Company shall cause any successor entity in a Fundamental Transaction in which the Company is not the survivor (the “Successor Entity”) to assume in writing all of the obligations of the Company under this Warrant and the other Transaction Documents in accordance with the provisions of this Section 3(d) pursuant to written agreements in form and substance reasonably satisfactory to the Holder and approved by the Holder (without unreasonable delay) prior to such Fundamental Transaction and shall, at the option of the Holder, deliver to the Holder in exchange for this Warrant a security of the Successor Entity evidenced by a written instrument substantially similar in form and substance to this Warrant which is exercisable for a corresponding number of shares of capital stock of such Successor Entity (or its parent entity) equivalent to the shares of Common Stock acquirable and receivable upon exercise of this Warrant (without regard to any limitations on the exercise of this Warrant) prior to such Fundamental Transaction, and with an exercise price which applies the exercise price hereunder to such shares of capital stock (but taking into account the relative value of the shares of Common Stock pursuant to such Fundamental Transaction and the value of such shares of capital stock, such number of shares of capital stock and such exercise price being for the purpose of protecting the economic value of this Warrant immediately prior to the consummation of such Fundamental Transaction), and which is reasonably satisfactory in form and substance to the Holder. Upon the occurrence of any such Fundamental Transaction, the Successor Entity shall succeed to, and be substituted for (so that from and after the date of such Fundamental Transaction, the provisions of this Warrant and the other Transaction Documents referring to the “Company” shall refer instead to the Successor Entity), and may exercise every right and power of the Company and shall assume all of the obligations of the Company under this Warrant and the other Transaction Documents with the same effect as if such Successor Entity had been named as the Company herein.

f) Calculations. All calculations under this Section 3 shall be made to the nearest cent or the nearest 1/100th of a share, as the case may be. For purposes of this Section 3, the number of shares of Common Stock deemed to be issued and outstanding as of a given date shall be the sum of the number of shares of Common Stock (excluding treasury shares, if any) issued and outstanding.

g) Notice to Holder.

i. Adjustment to Exercise Price. Whenever the Exercise Price is adjusted pursuant to any provision of this Section 3, the Company shall promptly give notice to the Holder setting forth the Exercise Price after such adjustment and any resulting adjustment to the number of Warrant Shares and setting forth a statement of the facts requiring such adjustment (“Dilutive Issuance Notice”). For purposes of clarification, whether or not the Company provides a Dilutive Issuance Notice pursuant to this Section 3, upon the occurrence of any Dilutive or other reduction of the Exercise Price, the Holder is entitled to receive a number of Warrant Shares based upon the reduced Exercise Price regardless of whether the Holder accurately refers to the Exercise Price in the Notice of Exercise. If the Company enters into a Variable Rate Transaction, despite the prohibition thereon in the Purchase Agreement, the Company shall be deemed to have issued Common Stock or Common Stock Equivalents at the lowest possible conversion or exercise price at which such securities may be converted or exercised.

ii. Notice to Allow Exercise by Holder. If (A) the Company shall declare a dividend (or any other distribution in whatever form) on the Common Stock, (B) the Company shall declare a special nonrecurring cash dividend on or a redemption of the Common Stock, (C) the Company shall authorize the granting to all holders of the Common Stock rights or warrants to subscribe for or purchase any shares of capital stock of any class or of any rights, (D) the approval of any stockholders of the Company shall be required in connection with any reclassification of the Common Stock, any consolidation or merger to which the Company is a party, any sale or transfer of all or substantially all of the assets of the Company, or any compulsory share exchange whereby the Common Stock is converted into other securities, cash or property, or (E) the Company shall authorize the voluntary or involuntary dissolution, liquidation or winding up of the affairs of the Company, then, in each case, the Company shall cause to be delivered by email to the Holder at its last email or other address as it shall appear upon the Warrant Register of the Company, at least 20 calendar days prior to the applicable record or effective date hereinafter specified, a notice stating (x) the date on which a record is to be taken for the purpose of such dividend, distribution, redemption, rights or warrants, or if a record is not to be taken, the date as of which the holders of the Common Stock of record to be entitled to such dividend, distributions, redemption, rights or warrants are to be determined or (y) the date on which such reclassification, consolidation, merger, sale, transfer or share exchange is expected to become effective or close, and the date as of which it is expected that holders of the Common Stock of record shall be entitled to exchange their shares of the Common Stock for securities, cash or other property deliverable upon such reclassification, consolidation, merger, sale, transfer or share exchange. To the extent that any notice provided in this Warrant constitutes, or contains, material, non-public information regarding the Company or any of the Subsidiaries, the Company shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K. The Holder shall remain entitled to exercise this Warrant during the period commencing on the date of such notice to the effective date of the event triggering such notice except as may otherwise be expressly set forth herein.

h) Voluntary Adjustment By Company. The Company may at any time during the term of this Warrant reduce the then current Exercise Price to any amount and for any period of time deemed appropriate by the Board of Directors of the Company; provided, however, that the Company agrees not to adjust the Exercise Price in any way that would violate the listing rules of the Nasdaq Stock Market.

i) Delayed Delivery. If at any time this Warrant is outstanding, the optional exercise of rights hereunder by the Holder or the automatic exercise of rights would entitle the Holder to receive Warrant Shares, but the receipt of such Warrant Shares is prevented by the application of the Beneficial Ownership Limitation, then such exercise of rights including exercise pursuant to Section 2(c) will take place except that the delivery of Warrant Shares which exceed the Beneficial Ownership Limitation will be held in abeyance and delayed to the soonest date or dates when such Warrant Shares may be permissibly be delivered without exceeding the Beneficial Ownership Limitation, provided Holder complies with all other obligations hereunder and pursuant to such other transaction, if any, as are applicable to similarly situated participants, that would not result in Holder exceeding the Beneficial Ownership Limitation. The Holder acknowledges that the provisions of this Section 3(i) have been included solely for the convenience of the Holder and that the Holder shall be solely responsible for its compliance with the terms of this Section 3(i). The Company shall have no obligation to provide the Holder with any notice or to take any other action under this Section 3(i) and shall have no liability for the failure of the Holder to effectively exercise its rights under this Section 3(i).

#### 4. Transfer of Warrant

a) Transferability. Subject to compliance with any applicable securities laws and the provisions of the Purchase Agreement, this Warrant and all rights hereunder (including, without limitation, any registration rights) are transferable, in whole or in part, upon surrender of this Warrant at the principal office of the Company or its designated agent, together with a written assignment of this Warrant substantially in the form attached hereto duly executed by the Holder or its agent or attorney and funds sufficient to pay any transfer taxes payable upon the making of such transfer. Upon such surrender and, if required, such payment, the Company shall execute and deliver a new Warrant or Warrants in the name of the assignee or assignees, as applicable, and in the denomination or denominations specified in such instrument of assignment, and shall issue to the assignor a new Warrant evidencing the portion of this Warrant not so assigned, and this Warrant shall promptly be cancelled. The Warrant, if properly assigned in accordance herewith, may be exercised by a new holder for the purchase of Warrant Shares without having a new Warrant issued.

b) New Warrants. This Warrant may be divided or combined with other Warrants upon presentation hereof at the aforesaid office of the Company, together with a written notice specifying the names and denominations in which new Warrants are to be issued, signed by the Holder or its agent or attorney. Subject to compliance with Section 4(a), as to any transfer which may be involved in such division or combination, the Company shall execute and deliver a new Warrant or Warrants in exchange for the Warrant or Warrants to be divided or combined in accordance with such notice. All Warrants issued on transfers or exchanges shall be dated the initial issuance date of this Warrant and shall be identical with this Warrant except as to the number of Warrant Shares issuable pursuant thereto.

c) Warrant Register. The Company shall or if applicable, cause its transfer agent to register and record this Warrant, upon records to be maintained by the Company and, if applicable, its transfer agent for that purpose (the "Warrant Register"), in the name of the record Holder hereof from time to time. The Company may deem and treat the registered Holder of this Warrant as the absolute owner hereof for the purpose of any exercise hereof or any distribution to the Holder, and for all other purposes, absent actual notice to the contrary.

#### 5. Miscellaneous

a) No Rights as Stockholder Until Exercise. This Warrant does not entitle the Holder to any voting rights, dividends or other rights as a stockholder of the Company prior to the exercise hereof as set forth in Section 2(d)(i).

b) Loss, Theft, Destruction or Mutilation of Warrant. The Company covenants that upon receipt by the Company of evidence reasonably satisfactory to it of the loss, theft, destruction or mutilation of this Warrant or any stock certificate relating to the Warrant Shares, and in case of loss, theft or destruction, of indemnity or security reasonably satisfactory to it (which, in the case of this Warrant, shall not include the posting of any bond), and upon surrender and cancellation of such Warrant or stock certificate, if mutilated, the Company will make and deliver a new Warrant or stock certificate of like tenor and dated as of such cancellation, in lieu of such Warrant or stock certificate.

c) Saturdays, Sundays, Holidays, etc. If the last or appointed day for the taking of any action or the expiration of any right required or granted herein shall not be a Trading Day, then, such action may be taken or such right may be exercised on the next succeeding Trading Day.

d) Authorized Shares. The Company covenants that during the period the Warrant is outstanding, it will reserve from its authorized and unissued Common Stock a sufficient number of shares to provide for the issuance of the Warrant Shares upon the exercise of any purchase rights under this Warrant. The Company further covenants that its issuance of this Warrant shall constitute full authority to its officers who are charged with the duty of issuing the necessary Warrant Shares upon the exercise of the purchase rights under this Warrant. The Company will take such reasonable action as may be necessary to assure that such Warrant Shares may be issued as provided herein without violation of any applicable law or regulation, or of any requirements of the Trading Market upon which the Common Stock may be listed. The Company covenants that all Warrant Shares which may be issued upon the exercise of the purchase rights represented by this Warrant will, upon exercise of the purchase rights represented by this Warrant and payment for such Warrant Shares in accordance herewith, be duly authorized, validly issued, fully paid and nonassessable and free from all taxes, liens and charges created by the Company in respect of the issue thereof (other than taxes in respect of any transfer occurring contemporaneously with such issue).

e) Except and to the extent as waived or consented to by the Holder, the Company shall not by any action, including, without limitation, amending its certificate of incorporation or through any reorganization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, but will at all times in good faith assist in the carrying out of all such terms and in the taking of all such actions as may be necessary or appropriate to protect the rights of Holder as set forth in this Warrant against impairment. Without limiting the generality of the foregoing, the Company will (i) not increase the par value of any Warrant Shares above the amount payable therefor upon such exercise immediately prior to such increase in par value, (ii) take such action as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and nonassessable Warrant Shares upon the exercise of this Warrant, (iii) forebear from taking action which could cause the Exercise Price to be lower than the par value at any time this Warrant is exercisable, and (iv) use commercially reasonable efforts to obtain all such authorizations, exemptions or consents from any public regulatory body having jurisdiction thereof, as may be, necessary to enable the Company to perform its obligations under this Warrant. Before taking any action which would result in an adjustment in the number of Warrant Shares for which this Warrant is exercisable or in the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.

f) Jurisdiction. All questions concerning the construction, validity, enforcement and interpretation of this Warrant shall be governed by and construed and enforced in accordance with the internal laws of the State of New York, without regard to the principles of conflicts of law thereof. The Company and, by accepting this Warrant, the Holder each agrees that all legal proceedings concerning the interpretations, enforcement and defense of the transactions contemplated by this Warrant (whether brought against the Company or the Holder or their respective affiliates, directors, officers, shareholders, partners, members, employees or agents) shall be commenced exclusively in the state and federal courts sitting in the City of New York. The Company and, by accepting this Warrant, the Holder each hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the City of New York, Borough of Manhattan for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein, and hereby irrevocably waives, and agrees not to assert in any suit, action or proceeding, any claim that it is not personally subject to the jurisdiction of any such court, that such suit, action or proceeding is improper or is an inconvenient venue for such proceeding. The Company and, by accepting this Warrant, the Holder each hereby irrevocably waives personal service of process and consents to process being served in any such suit, action or proceeding by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to it at the address in effect for notices to it under this Warrant and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any other manner permitted by law. If the Company or the Holder shall commence an action, suit or proceeding to enforce any provisions of this Warrant, the prevailing party in such action, suit or proceeding shall be reimbursed by the other party for their reasonable attorneys' fees and other costs and expenses incurred with the investigation, preparation and prosecution of such action or proceeding.

g) Restrictions. The Holder acknowledges that the Warrant Shares acquired upon the exercise of this Warrant, if not registered, and the Holder does not utilize cashless exercise, may have restrictions upon resale imposed by state and federal securities laws.

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h) Non-waiver and Expenses. No course of dealing or any delay or failure to exercise any right hereunder on the part of Holder shall operate as a waiver of such right or otherwise prejudice the Holder's rights, powers or remedies. Without limiting any other provision of this Warrant or the Purchase Agreement, if the Company willfully and knowingly fails to comply with any provision of this Warrant, which results in any material damages to the Holder, the Company shall pay to the Holder such amounts as shall be sufficient to cover any costs and expenses including, but not limited to, reasonable attorneys' fees, including those of appellate proceedings, incurred by the Holder in collecting any amounts due pursuant hereto or in otherwise enforcing any of its rights, powers or remedies hereunder.

i) Notices. Any notice, request or other document required or permitted to be given or delivered to the Holder by the Company shall be delivered in accordance with the notice provisions of the Purchase Agreement. For so long as this Warrant is outstanding, the Company agrees that it will maintain a non-exclusive physical address at which service of process, notices and deliveries may be made and given, in New York, New York. The Company's current registered agent is Corporation Service Company maintaining an address at 251 Little Falls Drive, Wilmington, Delaware 19808 and email address of sop@cscglobal.com. Such registered agent shall continue to be a non-exclusive agent for service of process until replaced by another registered agent in the State of Delaware or New York, after notice to Purchasers in the manner described herein, of such replacement address. All Holders must be informed of a change of Registered Agent. In addition to the above, all notices or other communications or deliveries to be provided by the Holder hereunder including, without limitation, any Notice of Exercise, shall be in writing and delivered personally, by email or sent by a nationally recognized overnight courier service, addressed to the Company, at Manchester Technology Center, Hexagon Tower, Delaunays Road, Blackley Manchester, M9 8GQ U.K.7946, Attention: Chief Financial Officer, email address: warrants@smartkem.com, or such other email address or address as the Company may specify for such purposes by notice to the Holder. Any and all notices or other communications or deliveries to be provided by the Company hereunder shall be in writing and delivered personally, by email, or sent by a nationally recognized overnight courier service addressed to the Holder at the email address or address of the Holder appearing on the books of the Company. Any notice or other communication or deliveries hereunder shall be deemed given and effective on the earliest of (i) the time of transmission, if such notice or communication is delivered via email at the email address set forth in this Section prior to 5:30 p.m. (New York City time) on any date, (ii) the next Trading Day after the time of transmission, if such notice or communication is delivered via email at the email address set forth in this Section on a day that is not a Trading Day or later than 5:30 p.m. (New York City time) on any Trading Day, (iii) the second Trading Day following the date of mailing, if sent by U.S. nationally recognized overnight courier service, or (iv) upon actual receipt by the party to whom such notice is required to be given. To the extent that any notice provided by the Company hereunder constitutes, or contains, material, non-public information regarding the Company or any subsidiaries, the Company shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K.

j) Limitation of Liability. No provision hereof, in the absence of any affirmative action by the Holder to exercise this Warrant to purchase Warrant Shares, and no enumeration herein of the rights or privileges of the Holder, shall give rise to any liability of the Holder for the purchase price of any shares of Common Stock or as a stockholder of the Company, whether such liability is asserted by the Company or by creditors of the Company.

k) Remedies. The Holder, in addition to being entitled to exercise all rights granted by law, including recovery of damages, will be entitled to specific performance of its rights under this Warrant. The Company agrees that monetary damages would not be adequate compensation for any loss incurred by reason of a breach by it of the provisions of this Warrant and hereby agrees to waive and not to assert the defense in any action for specific performance that a remedy at law would be adequate.

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l) Successors and Assigns. Subject to applicable securities laws, this Warrant and the rights and obligations evidenced hereby shall inure to the benefit of and be binding upon the successors and permitted assigns of the Company and the successors and permitted assigns of Holder. The provisions of this Warrant are intended to be for the benefit of any Holder from time to time of this Warrant and shall be enforceable by the Holder or holder of Warrant Shares.

m) Amendment. This Warrant may be modified or amended or the provisions hereof waived with the written consent of the Company and the Holders of not less than a majority of the then outstanding Warrants (determined without giving effect to Section 2(e) of the Warrants), provided such modification, amendment or waiver applies equally to all of the then outstanding Warrants.

n) Severability. Wherever possible, each provision of this Warrant shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this Warrant shall be prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provisions or the remaining provisions of this Warrant.

o) Headings. The headings used in this Warrant are for the convenience of reference only and shall not, for any purpose, be deemed a part of this Warrant.

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(Signature Page Follows)

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IN WITNESS WHEREOF, the Company has caused this Warrant to be executed by its officer thereunto duly authorized as of the date first above indicated.

**SMARTKEM, INC.**

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

Holder's Initial Beneficial Ownership Limitation: \_\_\_\_%

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**NOTICE OF EXERCISE**

TO: SMARTKEM, INC.

(1)(1)The undersigned hereby elects to purchase \_\_\_\_\_ Warrant Shares of the Company pursuant to the terms of the attached Warrant (only if exercised in full), and tenders herewith payment of the exercise price in full, together with all applicable transfer taxes, if any.

(2) (2) Payment shall take the form of (check applicable box):

☐ in lawful money of the United States;

☐ [if permitted] the cancellation of such number of Warrant Shares as is necessary, in accordance with the formula set forth in subsection 2(c), to exercise this Warrant with respect to the maximum number of Warrant Shares purchasable pursuant to the cashless exercise procedure set forth in subsection 2(c).

(3) (3) Please issue a certificate or certificates representing said Warrant Shares in the name of the undersigned or in such other name as is specified below:

\_\_\_\_\_

(4) After giving effect to this Notice of Exercise, the undersigned will not have exceeded the Beneficial Ownership Limitation.

The Warrant Shares shall be delivered to the following DWAC Account Number:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(5) The undersigned hereby agrees to the covenant set forth in Section 4.1(e) of the Purchase Agreement.

[SIGNATURE OF HOLDER]

Name of Investing Entity: \_\_\_\_\_  
Signature of Authorized Signatory of Investing Entity: \_\_\_\_\_  
Name of Authorized Signatory: \_\_\_\_\_  
Title of Authorized Signatory: \_\_\_\_\_  
Date: \_\_\_\_\_

**ASSIGNMENT FORM**

*(To assign the foregoing warrant, execute  
this form and supply required information.  
Do not use this form to exercise the warrant.)*

**SMARTKEM, INC.**

FOR VALUE RECEIVED, [\_\_\_\_\_] all of or [\_\_\_\_\_] shares of the foregoing Warrant and all rights evidenced thereby are hereby assigned to

\_\_\_\_\_ whose address is  
\_\_\_\_\_  
\_\_\_\_\_

Dated: \_\_\_\_\_, \_\_\_\_\_

Holder's Signature: \_\_\_\_\_

Holder's Address: \_\_\_\_\_

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NOTE: The signature to this Assignment Form must correspond with the name as it appears on the face of the Warrant, without alteration or enlargement or any change whatsoever. Officers of corporations and those acting in a fiduciary or other representative capacity should file proper evidence of authority to assign the foregoing Warrant.

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## SECURITIES PURCHASE AGREEMENT

This Securities Purchase Agreement (this “Agreement”) is dated as of October [ \* ], 2025, between SmartKem, Inc., a Delaware corporation (the “Company”), and each purchaser identified on the signature pages hereto (each, including its successors and assigns, a “Purchaser” and collectively, the “Purchasers”).

WHEREAS, subject to the terms and conditions set forth in this Agreement and pursuant to Section 4(a)(2) of the Securities Act of 1933, as amended, and/or Rule 506 promulgated thereunder, the Company desires to issue and sell to each Purchaser, and each Purchaser, severally and not jointly, desires to purchase from the Company, securities of the Company as more fully described in this Agreement (the “Offering”).

NOW, THEREFORE, IN CONSIDERATION of the mutual covenants contained in this Agreement, and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the Company and each Purchaser agree as follows:

### ARTICLE I. DEFINITIONS

1.1 Definitions. In addition to the terms defined elsewhere in this Agreement: (a) capitalized terms that are not otherwise defined herein have the meanings given to such terms in the Securities (as defined herein), and (b) the following terms have the meanings set forth in this Section 1.1:

“2023 Purchase Agreement” means the Securities Purchase Agreement, dated June 14, 2023, as amended prior to the date hereof, among the Company and the purchasers party thereto.

“Acquiring Person” shall have the meaning ascribed to such term in Section 4.7.

“Action” shall have the meaning ascribed to such term in Section 3.1(j).

“Affiliate” means any Person that, directly or indirectly through one or more intermediaries, controls or is controlled by or is under common control with a Person, as such terms are used in and construed under Rule 405 under the Securities Act.

“AIGH” shall mean AIGH Investment Partners LP and its Affiliates having an address at 6006 Berkeley Avenue, Baltimore, MD 21209.

“Beneficial Ownership Limitation” shall have the meaning given thereto in the Warrant, applied in the manner described in the Warrant.

“Board of Directors” means the board of directors of the Company.

“Business Day” means any day other than Saturday, Sunday or other day on which commercial banks in The City of New York are authorized or required by law to remain closed; provided, however, for clarification, commercial banks shall not be deemed to be authorized or required by law to remain closed due to “stay at home”, “shelter-in-place”, “non-essential employee” or any other similar orders or restrictions or the closure of any physical branch locations at the direction of any governmental authority so long as the electronic funds transfer systems (including for wire transfers) of commercial banks in The City of New York are generally are open for use by customers on such day.

“Closing” means the delivery and sale of the Securities and payment of the aggregate Subscription Amount pursuant to Section 2.1.

“Closing Date” means the Business Day on which all of the Transaction Documents have been executed and delivered by the applicable parties thereto, and all conditions precedent to (i) the Purchasers’ obligation to pay the Subscription Amount at the Closing, and (ii) the Company’s obligations to deliver the Securities to be issued and sold at the Closing, in each case, have been satisfied or waived, but in no event later than the fifth Business Day following the date hereof.

“Commission” means the United States Securities and Exchange Commission and includes the staff thereof acting on its behalf.

“Common Stock” means the common stock of the Company, par value \$0.0001 per share, and any other class of securities into which such securities may hereafter be reclassified or changed.

“Common Stock Equivalents” means any securities of the Company or the Subsidiaries which would entitle the holder thereof to acquire at any time Common Stock, including, without limitation, any debt, preferred stock, right, option, warrant or other instrument that is at any time convertible into or exercisable or exchangeable for, or otherwise entitles the holder thereof to receive, Common Stock.

“Company Counsel” means Lowenstein Sandler LLP, with offices located at 1251 Avenue of the Americas, New York, NY 10020, Attn: Tracy Buffer, Esq., email: tbuffer@lowenstein.com.

“Disclosure Time” means, (i) if this Agreement is signed on a day that is not a Trading Day or after 9:00 a.m. (New York City time) and before midnight (New York City time) on any Trading Day, 9:01 a.m. (New York City time) on the Trading Day immediately following the date hereof, and (ii) if this Agreement is signed between midnight (New York City time) and 9:00 a.m. (New York City time) on any Trading Day, no later than 9:01 a.m. (New York City time) on the date hereof.

“Effective Date” means the earliest of the date that (a) a registration statement has been declared effective by the Commission, (b) all of the Warrant Shares have been sold pursuant to Rule 144 or may be sold pursuant to Rule 144 without the requirement for the Company to be in compliance with the current public information required under Rule 144 and without volume or manner-of-sale restrictions, or (c) all of the Warrant Shares may be sold pursuant to an exemption from registration under Section 4(a)(1) of the Securities Act without volume or manner-of-sale restrictions and Company Counsel has delivered to such holders a standing written unqualified opinion that resales may then be made by such holders of the Warrant Shares pursuant to such exemption which opinion shall be in form and substance reasonably acceptable to such holders.

“Exchange Act” means the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder.

“Exercise Price” means the price, from time to time, at which a share of Common Stock may be acquired upon exercise of a Warrant.

“FCPA” means the Foreign Corrupt Practices Act of 1977, as amended.

“GAAP” shall have the meaning ascribed to such term in Section 3.1(h).

“G&M” means Grushko & Mittman, P.C., with offices located at 1800 Rockaway Avenue, Suite 206, Hewlett, NY 11557, Attn: Eliezer Drew, Esq., email: [eli@grushkomittman.com](mailto:eli@grushkomittman.com).

“Intellectual Property Rights” shall have the meaning ascribed to such term in Section 3.1(p).

“Legend Removal Date” shall have the meaning ascribed to such term in Section 4.1(d).

“Liens” means a lien, charge, pledge, security interest, encumbrance, right of first refusal, preemptive right or other restriction.

“Material Adverse Effect” shall have the meaning assigned to such term in Section 3.1(b).

“Material Permits” shall have the meaning ascribed to such term in Section 3.1(n).

“Maximum Rate” shall have the meaning ascribed to such term in Section 5.17.

“Notes” shall mean the notes issued pursuant to this Agreement in the form annexed hereto as Exhibit A.

“Permitted Lien” means the individual and collective reference to the following: (a) the Liens currently existing on the date hereof, as disclosed in the disclosure schedules or in the SEC Reports, (b) Liens for taxes, assessments and other governmental charges or levies not yet due or Liens for taxes, assessments and other governmental charges or levies being contested in good faith and by appropriate proceedings for which adequate reserves (in the good faith judgment of the management of the Company) have been established in accordance with GAAP, and (c) Liens imposed by law which were incurred in the ordinary course of the Company’s business, such as carriers’, warehousemen’s and mechanics’ Liens, statutory landlords’ Liens, and other similar Liens arising in the ordinary course of the Company’s business, and which (x) do not individually or in the aggregate materially detract from the value of such property or assets or materially impair the use thereof in the operation of the business of the Company and its Subsidiaries or (y) are being contested in good faith by appropriate proceedings, which proceedings have the effect of preventing for so long as any amount in excess of \$500,000 remains on the Note the forfeiture or sale of the property or asset subject to such Liens.

“Person” means an individual or corporation, partnership, trust, incorporated or unincorporated association, joint venture, limited liability company, joint stock company, government (or an agency or subdivision thereof) or other entity of any kind.

“Proceeding” means an action, claim, suit, investigation or proceeding (including, without limitation, an informal investigation or partial proceeding, such as a deposition), whether commenced or threatened.

“Public Information Failure” shall have the meaning ascribed to such term in Section 4.3(b).

“Public Information Failure Payments” shall have the meaning ascribed to such term in Section 4.3(b).

“Purchaser Party” shall have the meaning ascribed to such term in Section 4.10.

“Required Approvals” shall have the meaning ascribed to such term in Section 3.1(e).

“Required Minimum” means, as of any date, 100% of the Warrant Shares.

“Rule 144” means Rule 144 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended and interpreted from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same purpose and effect as such Rule.

“Rule 424” means Rule 424 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended or interpreted from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same purpose and effect as such Rule.

“SEC Reports” shall have the meaning ascribed to such term in Section 3.1(h).

“Securities” means the Notes, the Warrants and the Warrant Shares.

“Securities Act” means the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder.

“Security Agreement” means the Security Agreement to be entered into in connection with the sale of the Securities, a copy of which is annexed hereto as Exhibit C.

“Short Sales” means all “short sales” as defined in Rule 200 of Regulation SHO under the Exchange Act (but shall not be deemed to include locating and/or borrowing shares of Common Stock).

“Standard Settlement Period” shall have the meaning ascribed to such term in Section 4.1(d).

“Subscription Amount” means, as to each Purchaser, the aggregate amount to be paid for the Notes and Warrants purchased hereunder as specified below such Purchaser’s name on the signature page of this Agreement and next to the heading “Subscription Amount,” in United States dollars and in immediately available funds.

“Subsidiary” means with respect to any entity at any date, any direct or indirect Person, limited or general partnership, limited liability company, trust, estate, association, joint venture or other business entity of which (A) more than 30% of (i) the outstanding capital stock having (in the absence of contingencies) ordinary

voting power to elect a majority of the board of directors or other managing body of such entity, (ii) in the case of a partnership or limited liability company, the interest in the capital or profits of such partnership or limited liability company or (iii) in the case of a trust, estate, association, joint venture or other entity, the beneficial interest in such trust, estate, association or other entity business is, at the time of determination, owned or controlled directly or indirectly through one or more intermediaries, by such entity, or (B) is under the actual control of the Company.

“Termination Date” shall mean October 31, 2025.

“Trading Day” means a day on which the principal Trading Market is open for trading.

“Trading Hours” means 9:30 a.m. to 4:00 p.m. on any Trading Day.

“Trading Market” means any of the following markets or exchanges on which the Common Stock is listed or quoted for trading on the date in question: the NYSE American, the Nasdaq Capital Market, the Nasdaq Global Market, the Nasdaq Global Select Market, the New York Stock Exchange (or any successors to any of the foregoing). As of the date of this Agreement the Nasdaq Capital Market is the Trading Market.

“Transaction Documents” means this Agreement, the Security Agreement, the Notes, the Warrants, the Security Agreement, and all exhibits and schedules thereto and hereto and any other documents or agreements executed by any party hereto in connection with the transactions contemplated hereunder.

“Transfer Agent” means Eqiniti, the current transfer agent of the Company and any successor transfer agent of the Company. The transfer agent’s address is 1110 Centre Pointe Curve, Mendota Heights, MN 55120.

“Unlegended Shares” shall have the meaning ascribed to such term in Section 4.1(d).

“VWAP” means, for any date, the price determined by the first of the following clauses that applies: (a) if the Common Stock is then listed or quoted on a Trading Market, the daily volume weighted average price of the Common Stock for such date (or the nearest preceding date) on the Trading Market on which the Common Stock is then listed or quoted as reported by Bloomberg L.P. (based on a Trading Day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) if the Common Stock is not then listed or quoted for trading on a Trading Market but is then reported on the OTC Bulletin Board, OTC Pink Open Market maintained by the OTC Markets Group, Inc. (or a similar organization or agency succeeding to its functions of reporting prices), the volume weighted average price of the Common Stock on the first such facility (or a similar organization or agency succeeding to its functions of reporting prices), or (d) in all other cases, the fair market value of a share of Common Stock as determined by an independent appraiser selected in good faith by a Majority in Interest and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

“Warrants” means the Common Stock purchase warrants delivered to the Purchasers in the form annexed hereto as Exhibit B.

“Warrant Shares” means the shares of Common Stock issuable upon exercise of the Warrants.

## **ARTICLE II. PURCHASE AND SALE**

2.1 Closing. On the Closing Date, upon the terms and subject to the conditions set forth herein, substantially concurrent with the execution and delivery of this Agreement by the parties hereto, the Company agrees to sell, and the Purchasers, severally and not jointly, agree to purchase up to, an aggregate of \$1,000,000 Subscription Amount of Notes as set forth on the signature page hereto executed by such Purchaser, and Warrants as determined by pursuant to Section 2.2(a). The Securities are being issued and sold pursuant to an exemption from Section 5 of the Securities Act contained in Section 4(a)(2) thereof and/or Regulation D thereunder. Each Purchaser shall deliver to the Company via wire transfer, immediately available funds equal to such Purchaser’s Subscription Amount and the Company shall deliver to each Purchaser its respective Note and Warrants as determined pursuant to Section 2.2(a), and the Company and each Purchaser shall deliver the other items set forth in Section 2.2 of this Agreement at the Closing on the Closing Date. Upon satisfaction of the covenants and conditions set forth in Sections 2.2 and 2.3, the Closing shall take place remotely by electronic transfer on the Closing Date. If the Closing is not held on or before the Termination Date, the Company shall cause (i) all subscription documents executed by the Purchasers to be returned to the Purchasers, and (ii) the Subscription Amount to be returned, without interest or deduction, to the Purchasers.

### **2.2 Deliveries**

(a) On or prior to the Closing Date, the Company shall deliver or cause to be delivered to each Purchaser the following:

- (i) this Agreement duly executed by the Company;
  - (ii) a Note equal to 110% of such Purchaser’s Subscription Amount as set forth on the signature page hereto registered in the name of such Purchaser (the “Notes”);
  - (iii) A Common Stock Purchase Warrants registered in the name of such Purchaser, each representing the right to purchase up to a number of shares of Common Stock equal to such Purchaser’s Such Purchaser pro rata portion of 400,000 total warrants, having an initial per share Exercise Price equal to \$2.75, subject to adjustment as provided herein and therein;
  - (iv) the Security Agreement and documents referred to therein duly executed by the Company and Subsidiaries; and
  - (v) a certificate executed on behalf of the Company by its Principal Executive Officer or Chief Executive Officer (each as defined in the Exchange Act), dated as of the Closing Date, in which such officer shall certify that the conditions set forth in Section 2.3(b) have been fulfilled.
- (b) On or prior to the Closing Date, each Purchaser shall deliver or cause to be delivered to the Company the following:
- (i) this Agreement duly executed by such Purchaser;
  - (ii) such Purchaser’s Subscription Amount by wire transfer to the Company;

- (iii) Accredited Investor Questionnaire duly executed by each Purchaser; and
- (i) the Security Agreement duly executed by each Purchaser and the Collateral Agent.

2.3 Closing Conditions.

- (a) The obligations of the Company hereunder to effect the Closing are subject to the following conditions being met:
  - (i) the accuracy in all material respects (or, to the extent representations or warranties are qualified by materiality or Material Adverse Effect, in all respects) on the applicable Closing Date of the representations and warranties of the Purchasers contained herein (unless as of a specific date therein in which case they shall be accurate as of such date);

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- (ii) all obligations, covenants and agreements of each Purchaser required to be performed at or prior to the applicable Closing Date shall have been performed; and
  - (iii) the delivery by each Purchaser of the items set forth in Section 2.2(b) of this Agreement.
- (b) The respective obligations of the Purchasers hereunder in connection with each Closing are subject to the following conditions being met:
    - (i) the accuracy in all material respects (or, to the extent representations or warranties are qualified by materiality or Material Adverse Effect, in all respects) when made and on each Closing Date of the representations and warranties of the Company contained herein (unless as of a specific date therein in which case they shall be accurate as of such date);
    - (ii) all obligations, covenants and agreements of the Company required to be performed at or prior to the applicable Closing Date shall have been performed;
    - (iii) the delivery by the Company of the items set forth in Section 2.2(a) of this Agreement;
    - (iv) there shall have been no Material Adverse Effect with respect to the Company since the date hereof.

2.4 Force Majeure. Any Purchaser or the Company may, upon prior notice to the other, not effect the Closing if from the date hereof to the Closing Date, trading in the Common Stock shall not have been suspended by the Commission or the Company's principal Trading Market, and, at any time prior to the Closing Date, trading in securities generally as reported by Bloomberg L.P. shall not have been suspended or limited, or minimum prices shall not have been established on securities whose trades are reported by such service, or on any Trading Market, nor shall a banking moratorium have been declared either by the United States or New York State authorities nor shall there have occurred any material outbreak or escalation of hostilities, pandemic or other national or international calamity of such magnitude in its effect on, or any material adverse change in, any financial market which, in each case, in the reasonable judgment of such Purchaser, makes it impracticable or inadvisable to purchase the Securities at the Closing.

**ARTICLE III.  
REPRESENTATIONS AND WARRANTIES**

3.1 Representations and Warranties of the Company. Except as set forth in the Disclosure Schedules, which Disclosure Schedules shall be deemed a part hereof and shall qualify any representation or otherwise made herein to the extent of the disclosure contained in the corresponding section of the Disclosure Schedules, the Company hereby makes the following representations and warranties to each Purchaser:

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(a) Subsidiaries. All of the direct and indirect Subsidiaries of the Company and the Company's ownership interests therein are set forth on Schedule 3.1(a). The Company owns, directly or indirectly, all of the capital stock or other equity interests and rights to receive equity of each Subsidiary free and clear of any Liens, and all of the issued and outstanding shares of capital stock of each Subsidiary are validly issued and are fully paid, non-assessable and free of preemptive and similar rights to subscribe for or purchase securities.

(b) Organization and Qualification. The Company and each of the Subsidiaries is an entity duly incorporated or otherwise organized, validly existing and in good standing under the laws of the jurisdiction of its incorporation or organization, with the requisite power and authority to own and use its properties and assets and to carry on its business as currently conducted. Neither the Company nor any Subsidiary is in violation nor default of any of the provisions of its respective certificate or articles of incorporation, bylaws or other organizational or charter documents. Each of the Company and the Subsidiaries is duly qualified to conduct business and is in good standing as a foreign corporation or other entity in each jurisdiction in which the nature of the business conducted or property owned by it makes such qualification necessary, except where the failure to be so qualified or in good standing, as the case may be, could not have or reasonably be expected to result in: (i) a material adverse effect on the legality, validity or enforceability of any Transaction Document, (ii) a material adverse effect on the results of operations, assets, business, prospects or condition (financial or otherwise) of the Company and the Subsidiaries, taken as a whole, or (iii) a material adverse effect on the Company's ability to perform in any material respect on a timely basis its obligations under any Transaction Document (any of (i), (ii) or (iii), a "Material Adverse Effect") and no Proceeding has been instituted in any such jurisdiction revoking, limiting or curtailing or seeking to revoke, limit or curtail such power and authority or qualification.

(c) Authorization; Enforcement. The Company has the requisite corporate power and authority to enter into and to consummate the transactions contemplated by this Agreement and each of the other Transaction Documents and otherwise to carry out its obligations hereunder and thereunder. The execution and delivery of this Agreement and each of the other Transaction Documents by the Company and the consummation by it of the transactions contemplated hereby and thereby have been duly authorized by unanimous approval of the Board of Directors and all other necessary action on the part of the Company and no further action is required by the Company, the Board of Directors or the Company's stockholders in connection herewith or therewith other than in connection with the Required Approvals. This Agreement and each other Transaction Document to which it is a party has been (or upon delivery will have been) duly executed by the Company and, when delivered in accordance with the terms hereof and thereof, will constitute the valid and binding obligation of the Company enforceable against the Company in accordance with its terms, except (i) as limited by general equitable principles and applicable bankruptcy, insolvency, reorganization, moratorium and other laws of general application affecting enforcement of creditors' rights generally, (ii) as limited by laws relating to the availability of specific performance, injunctive relief or other equitable remedies and (iii) insofar as indemnification and contribution provisions may be limited by applicable law.

(d) No Conflicts. The execution, delivery and performance by the Company of this Agreement and the other Transaction Documents to which it is a party, the issuance and sale of the Securities and the consummation by it of the transactions contemplated hereby and thereby do not and will not (i) conflict with or violate any provision of the Company's or any Subsidiary's certificate or articles of incorporation, bylaws or other organizational or charter documents, or (ii) conflict with, or constitute a default (or an event that with notice or lapse of time or both would become a default) under, result in the creation of any Lien upon any of the properties or assets of the Company or any Subsidiary, or give to others any rights of termination, amendment, anti-dilution or similar adjustments, acceleration or cancellation (with or without notice, lapse of time or both) of, any agreement, credit facility, debt or other instrument (evidencing a Company or Subsidiary debt or otherwise) or other understanding to which the Company or any Subsidiary is a party or by which any property or asset of the Company or any Subsidiary is bound or affected, or (iii) subject to the accuracy of the representations and warranties of the Purchasers, conflict with or result in a violation of any law, rule, regulation, order, judgment, injunction, decree or other restriction of any court or governmental authority or Trading Market to which the Company or a Subsidiary is subject (including federal and state securities laws and regulations), or by which any property or asset of the Company or a Subsidiary is bound or affected; except in the case of each of clauses (ii) and (iii), such as could not have or reasonably be expected to result in a Material Adverse Effect.

(e) Filings, Consents and Approvals. Assuming the accuracy of the representations and warranties of the Purchasers, the Company is not required to obtain any consent, waiver, authorization or order of, give any notice to, or make any filing or registration with, any court or other federal, state, local or other governmental authority or other Person in connection with the execution, delivery and performance by the Company of the Transaction Documents, other than: (i) the filings required pursuant to this Agreement, (ii) the notice and/or application(s) to each applicable Trading Market for the listing of the Warrant Shares for trading thereon in the time and manner required thereby, and (iii) the filing of Form D with the Commission and such filings as are required to be made under applicable state securities laws (collectively, the "Required Approvals").

(f) Issuance of the Securities. The Securities are duly authorized and the Warrant Shares, when issued and paid for in accordance with the applicable Transaction Documents, will be duly and validly issued, fully paid and nonassessable, free and clear of all Liens imposed by the Company other than restrictions on transfer provided for in the Transaction Documents or arising under applicable securities laws. The Company has reserved from its duly authorized capital stock a number of shares of Common Stock for issuance of the Warrant Shares at least equal to the Required Minimum on the date hereof.

(g) Capitalization. The capitalization of the Company as of the date hereof is as set forth on Schedule 3.1(g). Except as set forth on Schedule 3.1(g), the Company has not issued any capital stock since its most recently filed periodic report under the Exchange Act, other than pursuant to the Company's equity award plans, the issuance of shares of Common Stock to employees pursuant to the Company's employee stock purchase plans and pursuant to the conversion and/or exercise of Common Stock Equivalents outstanding as of the date of the most recently filed periodic report under the Exchange Act. No Person has any right of first refusal, preemptive right, right of participation, or any similar right to participate in the transactions contemplated by the Transaction Documents. Except as disclosed in Schedule 3.1(g), there are no outstanding options, warrants, scrip rights to subscribe to, calls or commitments of any character whatsoever relating to, or securities, rights or obligations convertible into or exercisable or exchangeable for, or giving any Person any right to subscribe for or acquire, any shares of Common Stock or the capital stock of any Subsidiary, or, except as described on Schedule 3.1(g) contracts, commitments, understandings or arrangements by which the Company or any Subsidiary is or may become bound to issue additional shares of Common Stock or Common Stock Equivalents or capital stock of any Subsidiary. The issuance and sale of the Securities will not obligate the Company or any Subsidiary to issue shares of Common Stock or other securities to any Person. There are no outstanding securities or instruments of the Company or any Subsidiary with any provision that adjusts the exercise, conversion, exchange or reset price of such security or instrument upon an issuance of securities by the Company or any Subsidiary, other than customary adjustments in the event of any stock split, reverse stock split, stock dividend or other reclassification or combination of the Common Stock occurring after the date hereof. There are no outstanding securities or instruments of the Company or any Subsidiary that contain any redemption or similar provisions, and there are no contracts, commitments, understandings or arrangements by which the Company or any Subsidiary is or may become bound to redeem a security of the Company or such Subsidiary. The Company does not have any stock appreciation rights or "phantom stock" plans or agreements or any similar plan or agreement. All of the outstanding shares of capital stock of the Company are duly authorized, validly issued, fully paid and nonassessable, have been issued in compliance with all federal and state securities laws, and none of such outstanding shares was issued in violation of any preemptive rights or similar rights to subscribe for or purchase securities. No further approval or authorization of any stockholder, the Board of Directors or others is required for the issuance and sale of the Securities. Except as provided in the Transaction Documents, there are no stockholders agreements, voting agreements or other similar agreements with respect to the Company's capital stock to which the Company is a party or, to the knowledge of the Company, between or among any of the Company's stockholders.

(h) SEC Reports; Financial Statements. The Company has filed all reports, schedules, forms, statements and other documents required to be filed by the Company under the Securities Act and the Exchange Act, including pursuant to Section 13(a) or 15(d) thereof, for the two years preceding the date hereof (or such shorter period as the Company was required by law or regulation to file such material) (the foregoing materials, including the exhibits thereto and documents incorporated by reference therein, being collectively referred to herein as the "SEC Reports") on a timely basis or has received a valid extension of such time of filing and has filed any such SEC Reports prior to the expiration of any such extension. Except as amended prior to the date hereof, as of their respective dates, the SEC Reports complied in all material respects with the requirements of the Securities Act and the Exchange Act, as applicable, and except as amended prior to the date hereof none of the SEC Reports, when filed, contained any untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. The Company has previously been an issuer defined in Rule 144(i)(B) under the Securities Act. Effective as of February 24, 2021 and through the date of this Agreement, the Company is no longer an issuer defined in Rule 144(i)(B) under the Securities Act. The financial statements of the Company included in the SEC Reports as amended prior to the date hereof comply in all material respects with applicable accounting requirements and the rules and regulations of the Commission with respect thereto as in effect at the time of filing as subsequently amended. Such financial statements have been prepared in accordance with United States generally accepted accounting principles applied on a consistent basis during the periods involved ("GAAP"), except as may be otherwise specified in such financial statements or the notes thereto and except that unaudited financial statements may not contain all footnotes required by GAAP, and fairly present in all material respects the financial position of the Company and its consolidated Subsidiaries as of and for the dates thereof and the results of operations and cash flows for the periods then ended, subject, in the case of unaudited statements, to normal, immaterial, year-end audit adjustments.

(i) Material Changes; Undisclosed Events, Liabilities or Developments. Since the date of the latest audited financial statements included within the SEC Reports, except as set forth on Schedule 3.1(i), (i) there has been no event, occurrence or development that has had or that could reasonably be expected to result in a Material Adverse Effect, (ii) the Company has not incurred any liabilities (contingent or otherwise) other than (A) trade payables and accrued expenses incurred in the ordinary course of business consistent with past practice and (B) liabilities not required to be reflected in the Company's financial statements pursuant to GAAP or disclosed in filings made with the Commission, (iii) the Company has not altered its method of accounting, (iv) the Company has not declared or made any dividend or distribution of cash or other property to its stockholders or purchased, redeemed or made any agreements to purchase or redeem any shares of its capital stock and (v) the Company has not issued any equity securities to any officer, director or Affiliate, except pursuant to existing Company equity award plans. The Company does not have pending before the Commission any request for confidential treatment of information. Except for the issuance of the Securities contemplated by this Agreement and the consummation of the other transactions contemplated

hereby and by the other Transaction Documents or as set forth on Schedule 3.1(i), no event, liability, fact, circumstance, occurrence or development has occurred or exists or is reasonably expected to occur or exist with respect to the Company or its Subsidiaries or their respective businesses, prospects, properties, operations, assets or financial condition, that would be required to be disclosed by the Company under applicable securities laws at the time this representation is made or deemed made that has not been publicly disclosed at least one (1) Trading Day prior to the date that this representation is made.

(j) Litigation. Except as set forth on Schedule 3.1(j), there is no action, suit, inquiry, notice of violation, proceeding or investigation pending or, to the knowledge of the Company, threatened against or affecting the Company, any Subsidiary or any of their respective properties before or by any court, arbitrator, governmental or administrative agency or regulatory authority (federal, state, county, local or foreign) (collectively, an “Action”). None of the Actions set forth on Schedule 3.1(j), (i) adversely affects or challenges the legality, validity or enforceability of any of the Transaction Documents or the Securities or (ii) could, if there were an unfavorable decision, have or reasonably be expected to result in a Material Adverse Effect. Neither the Company nor any Subsidiary, nor any director or officer thereof, is or has been the subject of any Action involving a claim of violation of or liability under federal or state securities laws or a claim of breach of fiduciary duty. There has not been, and to the knowledge of the Company, there is not pending or contemplated, any investigation by the Commission involving the Company or any current or, to the Company’s knowledge, former director or officer of the Company. The Commission has not issued any stop order or other order suspending the effectiveness of any registration statement filed by the Company or any Subsidiary under the Exchange Act or the Securities Act.

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(k) Labor Relations. No labor dispute exists or, to the knowledge of the Company, is imminent with respect to any of the employees of the Company, which could reasonably be expected to result in a Material Adverse Effect. None of the Company’s or its Subsidiaries’ employees is a member of a union that relates to such employee’s relationship with the Company or such Subsidiary, and neither the Company nor any of its Subsidiaries is a party to a collective bargaining agreement, and the Company and its Subsidiaries believe that their relationships with their employees are good. To the knowledge of the Company, no executive officer of the Company or any Subsidiary, is, or is now expected to be, in violation of any material term of any employment contract, confidentiality, disclosure or proprietary information agreement or non-competition agreement, or any other contract or agreement or any restrictive covenant in favor of any third party, and the continued employment of each such executive officer does not subject the Company or any of its Subsidiaries to any liability with respect to any of the foregoing matters. The Company and its Subsidiaries are in compliance with all U.S. federal, state, local and foreign laws and regulations relating to employment and employment practices, terms and conditions of employment and wages and hours, except where the failure to be in compliance could not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

(l) Compliance. Except as set forth on Schedule 3.1(l), neither the Company nor any Subsidiary: (i) is in default under or in violation of (and no event has occurred that has not been waived that, with notice or lapse of time or both, would result in a default by the Company or any Subsidiary under), nor has the Company or any Subsidiary received notice of a claim that it is in default under or that it is in violation of, any indenture, loan or credit agreement or any other agreement or instrument to which it is a party or by which it or any of its properties is bound (whether or not such default or violation has been waived), (ii) is in violation of any judgment, decree or order of any court, arbitrator or other governmental authority or (iii) is or has been in violation of any statute, rule, ordinance or regulation of any governmental authority, including without limitation all foreign, federal, state and local laws relating to taxes, environmental protection, occupational health and safety, product quality and safety and employment and labor matters, except in each case as has not had and could not reasonably be expected to result in a Material Adverse Effect.

(m) Environmental Laws. The Company and its Subsidiaries (i) are in compliance with all federal, state, local and foreign laws relating to pollution or protection of human health or the environment (including ambient air, surface water, groundwater, land surface or subsurface strata), including laws relating to emissions, discharges, releases or threatened releases of chemicals, pollutants, contaminants, or toxic or hazardous substances or wastes (collectively, “Hazardous Materials”) into the environment, or otherwise relating to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Hazardous Materials, as well as all authorizations, codes, decrees, demands, or demand letters, injunctions, judgments, licenses, notices or notice letters, orders, permits, plans or regulations, issued, entered, promulgated or approved thereunder (“Environmental Laws”); (ii) have received all permits licenses or other approvals required of them under applicable Environmental Laws to conduct their respective businesses; and (iii) are in compliance with all terms and conditions of any such permit, license or approval where in each clause (i), (ii) and (iii), the failure to so comply could be reasonably expected to have, individually or in the aggregate, a Material Adverse Effect.

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(n) Regulatory Permits. The Company and the Subsidiaries possess all certificates, authorizations and permits issued by the appropriate federal, state, local or foreign regulatory authorities necessary to conduct their respective businesses as described in the SEC Reports, except where the failure to possess such permits could not reasonably be expected to result in a Material Adverse Effect (“Material Permits”), and neither the Company nor any Subsidiary has received any notice of proceedings relating to the revocation or modification of any Material Permit.

(o) Title to Assets. Except as described in the SEC Reports, the Company and the Subsidiaries have good and marketable title in fee simple to all real property owned by them and good and marketable title in all personal property owned by them that is material to the business of the Company and the Subsidiaries, in each case free and clear of all Liens, except for (i) Liens as do not materially affect the value of such property and do not materially interfere with the use made and proposed to be made of such property by the Company and the Subsidiaries and (ii) Liens for the payment of federal, state or other taxes, for which appropriate reserves have been made therefor in accordance with GAAP and, the payment of which is neither delinquent nor subject to penalties. Any real property and facilities held under lease by the Company and the Subsidiaries are held by them under valid, subsisting and enforceable leases with which the Company and the Subsidiaries are in compliance in all material respects.

(p) Intellectual Property. The Company and the Subsidiaries have, or have rights to use, all patents, patent applications, trademarks, trademark applications, service marks, trade names, trade secrets, inventions, copyrights, licenses and other intellectual property rights and similar rights necessary or required for use in connection with their respective businesses as described in the SEC Reports and which the failure to so have could reasonably be expected to have a Material Adverse Effect (collectively, the “Intellectual Property Rights”). Neither the Company nor any Subsidiary has received a notice (written or otherwise) that any of the Intellectual Property Rights has expired, terminated or been abandoned, or is expected to expire or terminate or be abandoned, within two (2) years from the date of this Agreement. Neither the Company nor any Subsidiary has received, since the date of the latest audited financial statements included within the SEC Reports, a written notice of a claim or otherwise has any knowledge that the Intellectual Property Rights violate or infringe upon the rights of any Person, except as has not had and could not reasonably be expected to have a Material Adverse Effect. To the knowledge of the Company, all such Intellectual Property Rights are enforceable and there is no existing infringement by another Person of any of the Intellectual Property Rights that has had or could reasonably be expected to have a Material Adverse Effect. The Company and its Subsidiaries have taken security measures the Company deems to be reasonable, to protect the secrecy, confidentiality and value of all of their intellectual properties, except where failure to do so could not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

(q) Insurance. The Company and the Subsidiaries are insured by insurers of recognized financial responsibility against such losses and risks and in such amounts as the Company reasonably believes are prudent and customary in the businesses in which the Company and the Subsidiaries are engaged, including, but not limited to, directors and officers insurance coverage described on Schedule 3.1(q). Neither the Company nor any Subsidiary has any reason to believe that it will not be able to renew its existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue its business without a significant increase in cost.



(r) Transactions with Affiliates and Employees. Except as set forth on Schedule 3.1(r), none of the officers or directors of the Company or any Subsidiary and, to the knowledge of the Company, none of the employees of the Company or any Subsidiary is presently a party to any transaction with the Company or any Subsidiary (other than for services as employees, officers and directors), including any contract, agreement or other arrangement providing for the furnishing of services to or by, providing for rental of real or personal property to or from, providing for the borrowing of money from or lending of money to or otherwise requiring payments to or from any officer, director or such employee or, to the knowledge of the Company, any entity in which any officer, director, or any such employee has a substantial interest or is an officer, director, trustee, stockholder, member or partner, in each case in excess of \$120,000 other than for (i) payment of salary or consulting fees for services rendered, (ii) reimbursement for expenses incurred on behalf of the Company and (iii) other employee benefits, including award agreements under any equity award plan of the Company.

(s) Sarbanes-Oxley; Internal Accounting Controls. The Company and the Subsidiaries are in compliance in all material respects with any and all applicable requirements of the Sarbanes-Oxley Act of 2002 that are effective as of the date hereof, and any and all applicable rules and regulations promulgated by the Commission thereunder that are effective as of the date hereof and as of the Closing Date. The Company and the Subsidiaries maintain a system of internal accounting controls sufficient to provide reasonable assurance that: (i) transactions are executed in accordance with management's general or specific authorizations, (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain asset accountability, (iii) access to assets is permitted only in accordance with management's general or specific authorization, and (iv) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences. The Company and the Subsidiaries have established disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the Company and the Subsidiaries and designed such disclosure controls and procedures to ensure that information required to be disclosed by the Company in the reports it files or submits under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the Commission's rules and forms. The Company's certifying officers have evaluated the effectiveness of the disclosure controls and procedures of the Company and the Subsidiaries as of the end of the period covered by the most recently filed periodic report under the Exchange Act (such date, the "Evaluation Date"). The Company presented in its most recently filed periodic report under the Exchange Act the conclusions of the certifying officers about the effectiveness of the disclosure controls and procedures based on their evaluations as of the Evaluation Date. Since the Evaluation Date, there have been no changes in the internal control over financial reporting (as such term is defined in the Exchange Act) of the Company and its Subsidiaries that have materially affected, or is reasonably likely to materially affect, the internal control over financial reporting of the Company and its Subsidiaries.

(t) Certain Fees. No brokerage or finder's fees or commissions are or will be payable by the Company or any Subsidiary to any broker, financial advisor or consultant, finder, placement agent, investment banker, bank or other Person with respect to the transactions contemplated by the Transaction Documents except as set forth on Schedule 3.1(t). The Purchasers shall have no obligation with respect to any fees or with respect to any claims made by or on behalf of other Persons for fees of a type contemplated in this Section that may be due in connection with the transactions contemplated by the Transaction Documents as a result of any action by the Company or any of its Subsidiaries.

(u) Private Placement. Assuming the accuracy of the Purchasers' representations and warranties set forth in Section 3.2, no registration under the Securities Act is required for the offer and sale of the Securities by the Company to the Purchasers as contemplated hereby. The issuance and sale of the Securities hereunder does not contravene the rules and regulations of the Trading Market.

(v) Investment Company. The Company is not, and is not an Affiliate of, and immediately after receipt of payment for the Securities, will not be or be an Affiliate of, an "investment company" within the meaning of the Investment Company Act of 1940, as amended. The Company shall conduct its business in a manner so that it will not become an "investment company" subject to registration under the Investment Company Act of 1940, as amended.

(w) Listing and Maintenance Requirements. The Common Stock is registered pursuant to Section 12(g) of the Exchange Act, and the Company has taken no action designed to, or which to its knowledge is likely to have the effect of, terminating the registration of the Common Stock under the Exchange Act nor has the Company received any notification that the Commission is contemplating terminating such registration. Except as described in the SEC Reports, the Company has not, in the 12 months preceding the date hereof, received notice from any Trading Market on which the Common Stock is or has been listed or quoted to the effect that the Company is not in compliance with the listing or maintenance requirements of such Trading Market. Except as described in the SEC Reports, the Company is, and has no reason to believe that it will not in the foreseeable future continue to be, in compliance with all such listing and maintenance requirements. The Common Stock is currently eligible for electronic transfer through the Depository Trust Company or another established clearing corporation and the Company is current in payment of the fees to the Depository Trust Company (or such other established clearing corporation) in connection with such electronic transfer.

(x) Application of Takeover Protections. The Company and the Board of Directors have taken all necessary action, if any, in order to render inapplicable any control share acquisition, business combination, poison pill (including any distribution under a rights agreement) or other similar anti-takeover provision under the Company's certificate of incorporation (or similar charter documents) or the laws of its state of incorporation that is or could become applicable to the Purchasers as a result of the Purchasers and the Company fulfilling their obligations or exercising their rights under the Transaction Documents, including without limitation as a result of the Company's issuance of the Securities and the Purchasers' ownership of the Securities issued and sold to them by the Company.

(y) Disclosure. Except with respect to the material terms and conditions of the transactions contemplated by the Transaction Documents, the Company confirms that neither it nor any other Person acting on its behalf has provided any of the Purchasers or their agents or counsel with any information that it believes constitutes or might constitute material, non-public information. The Company understands and confirms that the Purchasers will rely on the foregoing representation in effecting transactions in securities of the Company. All of the disclosure furnished by or on behalf of the Company to the Purchasers regarding the Company and its Subsidiaries, their respective businesses and the transactions contemplated hereby, including the Disclosure Schedules to this Agreement, is true and correct in all material respects and does not contain any untrue statement of a material fact or omit to state any material fact necessary in order to make the statements made therein, in the light of the circumstances under which they were made, not misleading. The press releases disseminated by the Company during the twelve months preceding the date of this Agreement taken as a whole do not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary in order to make the statements therein, in the light of the circumstances under which they were made and when made, not misleading. The Company acknowledges and agrees that no Purchaser makes or has made any representations or warranties with respect to the transactions contemplated hereby other than those specifically set forth in Section 3.2 hereof.

(z) No Integrated Offering. Assuming the accuracy of the Purchasers' representations and warranties set forth in Section 3.2, neither the Company, nor any of its Affiliates, nor any Person acting on its or their behalf has, directly or indirectly, made any offers or sales of any security or solicited any offers to buy any security, under circumstances that would cause this offering of the Securities to be integrated with prior offerings by the Company for purposes of (i) the Securities Act which would require the registration of any such securities under the Securities Act, or (ii) any applicable stockholder approval provisions of any Trading Market on which any of the securities of the Company are listed or quoted.

(aa) [Reserved]

(bb) Tax Status. Except for matters that have not had and would not, individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect, the Company and its Subsidiaries each (i) has made or filed all United States federal, state and local income and all foreign income and franchise tax returns, reports and declarations required by any jurisdiction to which it is subject, (ii) has paid all taxes and other governmental assessments and charges that are material in amount, shown or determined to be due on such returns, reports and declarations, except for such amounts as are in dispute and for which the Company and its Subsidiaries have established adequate reserved therefor in accordance with GAAP, and (iii) has set aside on its books provision reasonably adequate for the payment of all material taxes for periods subsequent to the periods to which such returns, reports or declarations apply. There are no unpaid taxes in any material amount claimed to be due by the taxing authority of any jurisdiction, and the officers of the Company or of any Subsidiary know of no basis for any such claim, except in each case for such amounts as are in dispute and for which the Company and its Subsidiaries have established adequate reserved therefor in accordance with GAAP.

(cc) No General Solicitation. Neither the Company nor any Person acting on behalf of the Company has offered or sold any of the Securities by any form of general solicitation or general advertising. The Company has offered the Securities for sale only to the Purchasers and certain other “accredited investors” within the meaning of Rule 501 under the Securities Act.

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(dd) Foreign Corrupt Practices. Neither the Company nor any Subsidiary, nor to the knowledge of the Company or any Subsidiary, any agent or other person acting on behalf of the Company or any Subsidiary, has (i) directly or indirectly, used any funds for unlawful contributions, gifts, entertainment or other unlawful expenses related to foreign or domestic political activity, (ii) made any unlawful payment to foreign or domestic government officials or employees or to any foreign or domestic political parties or campaigns from corporate funds, (iii) failed to disclose fully any contribution made by the Company or any Subsidiary (or made by any person acting on its behalf of which the Company is aware) which is in violation of law or (iv) violated in any material respect any provision of FCPA.

(ee) Accountants. The Company’s accounting firm is set forth on Schedule 3.1(ff) of the Disclosure Schedules. To the knowledge and belief of the Company, such accounting firm (i) is a registered public accounting firm as required by the Exchange Act and (ii) has expressed its opinion with respect to the financial statements included in the Company’s Annual Report for the fiscal year ending December 31, 2024.

(ff) No Disagreements with Accountants and Lawyers. There are no disagreements of any kind presently existing, or reasonably anticipated by the Company to arise, between the Company and the accountants and lawyers formerly or presently employed by the Company and the Company is current with respect to any fees owed to its accountants and lawyers which could affect the Company’s ability to perform any of its obligations under any of the Transaction Documents.

(gg) Acknowledgment Regarding Purchasers’ Purchase of Securities. The Company acknowledges and agrees that each of the Purchasers is acting solely in the capacity of an arm’s length purchaser with respect to the Transaction Documents and the transactions contemplated thereby. The Company further acknowledges that no Purchaser is acting as a financial advisor or fiduciary of the Company (or in any similar capacity) with respect to the Transaction Documents and the transactions contemplated thereby and any advice given by any Purchaser or any of their respective representatives or agents in connection with the Transaction Documents and the transactions contemplated thereby is merely incidental to the Purchasers’ purchase of the Securities. The Company further represents to each Purchaser that the Company’s decision to enter into this Agreement and the other Transaction Documents has been based solely on the independent evaluation of the transactions contemplated hereby by the Company and its representatives.

(hh) Acknowledgment Regarding Purchaser’s Trading Activity. Anything in this Agreement or elsewhere herein to the contrary notwithstanding (except for Sections 3.2(g) and 4.16 hereof), it is understood and acknowledged by the Company that: (i) none of the Purchasers has been asked by the Company to agree, nor has any Purchaser agreed, to desist from purchasing or selling, long and/or short, securities of the Company, or “derivative” securities based on securities issued by the Company or to hold the Securities for any specified term, (ii) past or future open market or other transactions by any Purchaser, specifically including, without limitation, Short Sales or “derivative” transactions, before or after the closing of this or future private placement transactions, may negatively impact the market price of the Company’s publicly-traded securities, (iii) any Purchaser, and counter-parties in “derivative” transactions to which any such Purchaser is a party, directly or indirectly, may presently have a “short” position in the Common Stock and (iv) each Purchaser shall not be deemed to have any affiliation with or control over any arm’s length counter-party in any “derivative” transaction. The Company further understands and acknowledges that (y) one or more Purchasers may engage in hedging activities at various times during the period that the Securities are outstanding, including, without limitation, during the periods that the value of the Warrant Shares deliverable with respect to Securities are being determined, and (z) such hedging activities (if any) could reduce the value of the existing stockholders’ equity interests in the Company at and after the time that the hedging activities are being conducted. The Company acknowledges that such aforementioned hedging activities do not constitute a breach of any of the Transaction Documents.

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(ii) Regulation M Compliance. The Company has not, and to its knowledge no one acting on its behalf has, (i) taken, directly or indirectly, any action designed to cause or to result in the stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of any of the Securities, (ii) sold, bid for, purchased, or paid any compensation for soliciting purchases of, any of the Securities, or (iii) paid or agreed to pay to any Person any compensation for soliciting another to purchase any other securities of the Company, other than, in the case of clauses (ii) and (iii), except as set forth on Schedule 3.1(t).

(jj) Stock Option Plans. Each stock option granted by the Company under the Company’s stock option plan was granted (i) in accordance with the terms of the Company’s stock option plan and (ii) except as described on Schedule 3.1(ji), with an exercise price at least equal to the fair market value of the Common Stock on the date such stock option would be considered granted under GAAP and applicable law. No stock option granted under the Company’s stock option plan has been backdated. The Company has not knowingly granted, and there is no and has been no Company policy or practice to knowingly grant, stock options prior to, or otherwise knowingly coordinate the grant of stock options with, the release or other public announcement of material information regarding the Company or its Subsidiaries or their financial results or prospects.

(kk) Office of Foreign Assets Control. Neither the Company nor any Subsidiary nor, to the Company’s knowledge, any director, officer, employee of the Company or any Subsidiary is currently subject to any U.S. sanctions administered by the Office of Foreign Assets Control of the U.S. Treasury Department (“OFAC”).

(ll) U.S. Real Property Holding Corporation. The Company is not and has never been a U.S. real property holding corporation within the meaning of Section 897 of the Internal Revenue Code of 1986, as amended, and the Company shall so certify upon Purchaser’s request.

(mm) Bank Holding Company Act. Neither the Company nor any of its Subsidiaries is subject to the Bank Holding Company Act of 1956, as amended (the “BHCA”) and to regulation by the Board of Governors of the Federal Reserve System (the “Federal Reserve”). Neither the Company nor any of its Subsidiaries owns or controls, directly or indirectly, five percent (5%) or more of the outstanding shares of any class of voting securities or twenty-five percent or more of the total equity of a bank or any entity that is subject to the BHCA and to regulation by the Federal Reserve. Neither the Company nor any of its Subsidiaries exercises a controlling influence over the management or policies of a bank or any entity that is subject to the BHCA and to regulation by the Federal Reserve.

(nn) Money Laundering. The operations of the Company and its Subsidiaries are and have been conducted at all times in compliance with applicable financial record-keeping and reporting requirements of the Currency and Foreign Transactions Reporting Act of 1970, as amended, applicable money laundering statutes and applicable rules and regulations thereunder (collectively, the "Money Laundering Laws"), and no Action or Proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company or any Subsidiary with respect to the Money Laundering Laws is pending or, to the knowledge of the Company or any Subsidiary, threatened.

(oo) No Disqualification Events. With respect to the Securities to be offered and sold hereunder in reliance on Rule 506 under the Securities Act, none of the Company, any of its predecessors, any affiliated issuer, any director, executive officer, other officer of the Company participating in the offering hereunder, any beneficial owner of 20% or more of the Company's outstanding voting equity securities, calculated on the basis of voting power, nor any promoter (as that term is defined in Rule 405 under the Securities Act) connected with the Company in any capacity at the time of sale (each, an "Issuer Covered Person" and, together, "Issuer Covered Persons") is subject to any of the "Bad Actor" disqualifications described in Rule 506(d)(1)(i) to (viii) under the Securities Act (a "Disqualification Event"), except for a Disqualification Event covered by Rule 506(d)(2) or (d)(3). The Company has exercised reasonable care to determine whether any Issuer Covered Person is subject to a Disqualification Event. The Company has complied, to the extent applicable, with its disclosure obligations under Rule 506(e), and has furnished to the Purchasers a copy of any disclosures provided thereunder.

(pp) Other Covered Persons. Other than as set forth on Schedule 3.1(f), the Company is not aware of any person (other than any Issuer Covered Person) that has been or will be paid (directly or indirectly) remuneration for solicitation of purchasers in connection with the sale of any Securities.

(qq) Notice of Disqualification Events. The Company will notify the Purchasers and the Placement Agent in writing, prior to the applicable Closing Date of (i) any Disqualification Event relating to any Issuer Covered Person and (ii) any event that would, with the passage of time, become a Disqualification Event relating to any Issuer Covered Person.

(rr) Shell Status. As of the date of this Agreement and the applicable Closing Date, the Company is not a "shell company" (as defined in Rule 405 of the Securities Act).

3.2 Representations and Warranties of the Purchasers. Each Purchaser, for itself and for no other Purchaser, hereby represents and warrants as of the date hereof and as of the applicable Closing Date to the Company as follows (unless as of a specific date therein, in which case they shall be accurate as of such date):

(a) Organization; Authority. Such Purchaser is either an individual or an entity duly incorporated or formed, validly existing and in good standing under the laws of the jurisdiction of its incorporation or formation with full right, corporate, partnership, limited liability company or similar power and authority to enter into and to consummate the transactions contemplated by the Transaction Documents and otherwise to carry out its obligations hereunder and thereunder. The execution and delivery of the Transaction Documents and performance by such Purchaser of the transactions contemplated by the Transaction Documents have been duly authorized by all necessary corporate, partnership, limited liability company or similar action, as applicable, on the part of such Purchaser. Each Transaction Document to which it is a party has been duly executed by such Purchaser, and when delivered by such Purchaser in accordance with the terms hereof, will constitute the valid and legally binding obligation of such Purchaser, enforceable against it in accordance with its terms, except (i) as limited by general equitable principles and applicable bankruptcy, insolvency, reorganization, moratorium and other laws of general application affecting enforcement of creditors' rights generally, (ii) as limited by laws relating to the availability of specific performance, injunctive relief or other equitable remedies and (iii) insofar as indemnification and contribution provisions may be limited by applicable law.

(b) Own Account. Such Purchaser understands that the Securities are "restricted securities" and have not been registered under the Securities Act or any applicable state securities law and is acquiring the Securities as principal for its own account and not with a view to or for distributing or reselling such Securities or any part thereof in violation of the Securities Act or any applicable state securities law, has no present intention of distributing any of such Securities in violation of the Securities Act or any applicable state securities law and has no direct or indirect arrangement or understandings with any other persons to distribute or regarding the distribution of such Securities in violation of the Securities Act or any applicable state securities law (this representation and warranty not limiting such Purchaser's right to sell the Securities pursuant to a registration statement or otherwise in compliance with applicable federal and state securities laws). Such Purchaser is acquiring the Securities hereunder in the ordinary course of its business.

(c) Purchaser Status. At the time such Purchaser was offered the Securities, it was, and as of the date hereof it is, and on each date on which it exercises any Warrants, it will be either: (i) an "accredited investor" as defined in Rule 501(a)(1), (a)(2), (a)(3), (a)(7), (a)(8), (a)(9), (a)(12), or (a)(13) under the Securities Act, or (ii) a "qualified institutional buyer" as defined in Rule 144A(a) under the Securities Act. Such Purchaser is not required to be registered as a broker-dealer under Section 15 of the Exchange Act. Such Purchaser has the authority and is duly and legally qualified to purchase and own the Securities. Such Purchaser is able to bear the risk of such investment for an indefinite period and to afford a complete loss thereof. Such Purchaser has provided the information in the Accredited Investor Questionnaire attached hereto as Exhibit D (the "Investor Questionnaire"). The information set forth on the signature pages hereto and the Investor Questionnaire regarding such Purchaser is true and complete in all respects. Except as disclosed in the Investor Questionnaire, such Purchaser has had no position, office or other material relationship within the past three years with the Company or Persons (as defined below) known to such Purchaser to be affiliates of the Company, and is not a member of the Financial Industry Regulatory Authority or an "associated person" (as such term is defined under the FINRA Membership and Registration Rules Section 1011).

(d) Experience of Such Purchaser. Such Purchaser, either alone or together with its representatives, has such knowledge, sophistication and experience in business and financial matters so as to be capable of evaluating the merits and risks of the prospective investment in the Securities, and has so evaluated the merits and risks of such investment. Such Purchaser is able to bear the economic risk of an investment in the Securities and, at the present time, is able to afford a complete loss of such investment.

(e) General Solicitation. Such Purchaser is not, to such Purchaser's knowledge, purchasing the Securities as a result of any advertisement, article, notice or other communication regarding the Securities published in any newspaper, magazine or similar media or broadcast over television or radio or presented at any seminar or, to the knowledge of such Purchaser, any other general solicitation or general advertisement.

(f) Access to Information. Such Purchaser acknowledges that it has had the opportunity to review the Transaction Documents (including all exhibits and

schedules thereto) and the SEC Reports and has been afforded (i) the opportunity to ask such questions as it has deemed necessary of, and to receive answers from, representatives of the Company concerning the terms and conditions of the offering of the Securities and the merits and risks of investing in the Securities; (ii) access to information about the Company and its financial condition, results of operations, business, properties, management and prospects sufficient to enable it to evaluate its investment; and (iii) the opportunity to obtain such additional information that the Company possesses or can acquire without unreasonable effort or expense that is necessary to make an informed investment decision with respect to the investment.

(g) Certain Transactions and Confidentiality. Other than consummating the transactions contemplated hereunder, such Purchaser has not, nor has any Person acting on behalf of or pursuant to any understanding with such Purchaser, directly or indirectly executed any purchases or sales, including Short Sales, of the securities of the Company during the period commencing as of the time that such Purchaser first received a term sheet (written or oral) from the Company or any other Person representing the Company setting forth the material terms of the transactions contemplated hereunder and ending immediately prior to the execution hereof. Notwithstanding the foregoing, in the case of a Purchaser that is a multi-managed investment vehicle whereby separate portfolio managers manage separate portions of such Purchaser's assets and the portfolio managers have no direct knowledge of the investment decisions made by the portfolio managers managing other portions of such Purchaser's assets, the representation set forth above shall only apply with respect to the portion of assets managed by the portfolio manager that made the investment decision to purchase the Securities covered by this Agreement. Other than to other Persons party to this Agreement or to such Purchaser's representatives, including, without limitation, its officers, directors, partners, legal and other advisors, employees, agents and Affiliates, such Purchaser has maintained the confidentiality of all disclosures made to it in connection with this transaction (including the existence and terms of this transaction). Notwithstanding the foregoing, for the avoidance of doubt, nothing contained herein shall constitute a representation or warranty, or preclude any actions, with respect to locating or borrowing shares in order to effect Short Sales or similar transactions in the future.

The Company acknowledges and agrees that the representations contained in this Section 3.2 shall not modify, amend or affect such Purchaser's right to rely on the Company's representations and warranties contained in this Agreement or any representations and warranties contained in any other Transaction Document or any other document or instrument executed and/or delivered in connection with this Agreement or the consummation of the transactions contemplated hereby. Notwithstanding the foregoing, for the avoidance of doubt, nothing contained herein shall constitute a representation or warranty, or preclude any actions, with respect to locating or borrowing shares in order to effect Short Sales or similar transactions in the future.

#### ARTICLE IV. OTHER AGREEMENTS OF THE PARTIES

##### 4.1 Transfer Restrictions.

(a) The Securities may only be disposed of in compliance with state and federal securities laws. In connection with any transfer of Securities other than pursuant to an effective registration statement, Rule 144, to the Company, or in connection with a pledge as contemplated in Section 4.1(c), the Company may require the transferor thereof to provide to the Company an opinion of counsel selected by the transferor and reasonably acceptable to the Company, the form and substance of which opinion shall be reasonably satisfactory to the Company, to the effect that such transfer does not require registration of such transferred Securities under the Securities Act. As a condition of transfer, any such transferee shall agree in writing to be bound by the terms of this Agreement shall have the rights and obligations of a Purchaser under this Agreement and the other Transaction Documents.

(b) Each Purchaser agrees to the imprinting, so long as is required by this Section 4.1, of a legend on any of its Securities in the following form:

[NEITHER] THIS SECURITY [NOR THE SECURITIES INTO WHICH THIS SECURITY IS [EXERCISABLE] HAS [NOT] BEEN REGISTERED WITH THE SECURITIES AND EXCHANGE COMMISSION OR THE SECURITIES COMMISSION OF ANY STATE IN RELIANCE UPON AN EXEMPTION FROM REGISTRATION UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), AND, ACCORDINGLY, MAY NOT BE OFFERED OR SOLD EXCEPT PURSUANT TO AN EFFECTIVE REGISTRATION STATEMENT UNDER THE SECURITIES ACT OR PURSUANT TO AN AVAILABLE EXEMPTION FROM, OR IN A TRANSACTION NOT SUBJECT TO, THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT AND IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS. THIS SECURITY [AND THE SECURITIES ISSUABLE UPON [EXERCISE] OF THIS SECURITY] MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT WITH A REGISTERED BROKER-DEALER OR OTHER LOAN WITH A FINANCIAL INSTITUTION THAT IS AN "ACCREDITED INVESTOR" AS DEFINED IN RULE 501(a) UNDER THE SECURITIES ACT OR OTHER LOAN SECURED BY SUCH SECURITIES.

(c) Pledge. The Company acknowledges and agrees that a Purchaser may from time to time pledge pursuant to a bona fide margin agreement with a registered broker-dealer or grant a security interest in some or all of the Securities to a financial institution that is an "accredited investor" as defined in Rule 501(a) under the Securities Act and, if required under the terms of such arrangement, such Purchaser may transfer pledged or secured Securities to the pledgees or secured parties. Such a pledge or transfer would not be subject to approval of the Company and no legal opinion of legal counsel of the pledgee, secured party or pledgor shall be required in connection therewith. Further, no notice shall be required of such pledge. At the appropriate Purchaser's expense, the Company will execute and deliver such reasonable documentation as a pledgee or secured party of Securities may reasonably request in connection with a pledge or transfer of the Securities, including, if the Securities are subject to registration pursuant to the Section 4.17 of this Agreement, the preparation and filing of any required prospectus supplement under Rule 424(b)(3) under the Securities Act or other applicable provision of the Securities Act to appropriately amend the list of Selling Stockholders thereunder.

(d) Legend Removal. Certificates evidencing the Warrant Shares shall not contain any legend ("Unlegended Shares") (including the legend set forth in Section 4.1(b) hereof): (i) while a registration statement covering the resale of such security is effective under the Securities Act, (ii) following any sale of such Warrant Shares pursuant to Rule 144, (iii) if such Warrant Shares are eligible for sale under Rule 144 without information requirements or (iv) following any sale of Warrant Shares of a Purchaser, after such Purchaser has provided the Company with a legal opinion of counsel reasonably acceptable to Company that such sale is exempt from the registration requirements of the Securities Act. The Company shall cause its counsel, at the Company's expense, to issue a legal opinion to the Transfer Agent promptly after the Effective Date, and on each date a registration statement is declared effective by the Commission, if required by the Transfer Agent to effect the removal of the legend hereunder, or if such legal opinion is requested by a Purchaser for itself, to the Purchaser upon payment of such counsel's reasonable and customary fee therefor. If all or any portion of a Warrant is exercised (i) at a time when there is an effective registration statement to cover the resale of the Warrant Shares, (ii) if such Warrant Shares may be sold under Rule 144 and the Company is then in compliance with the current public information required under Rule 144, (iii) if the Warrant Shares may be sold under Rule 144 without the requirement for the Company to be in compliance with the current public information requirement under Rule 144 as to such Warrant Shares and without volume or manner-of-sale restrictions, or (iv) if the Warrant Shares of a Purchaser may be sold pursuant to an exemption from the registration requirements of the Securities Act by such Purchaser, after such Purchaser has provided the Company with a legal opinion of counsel reasonably acceptable to Company that such sale is exempt from the registration requirements of the Securities Act, then such Warrant Shares shall be issued free of all legends. The Company agrees that following such time as such legend is no longer required under this Section 4.1(d) with respect to Warrant Shares of a particular Purchaser, it will, no later than the earlier of (i) two (2) Trading Days and (ii) the number of Trading Days comprising the Standard Settlement Period (as defined below) following the delivery by such Purchaser to the Transfer Agent of a request for the issuance of Warrant Shares without a restrictive legend (such date, the "Legend Removal Date"), deliver or cause to be delivered to such Purchaser a shares that do not bear any restrictive

or other legends. The Company may not make any notation on its records or give instructions to the Transfer Agent that enlarge the restrictions on transfer set forth in this Section 4. Warrant Shares subject to legend removal hereunder shall be transmitted by the Transfer Agent to the Purchaser by crediting the account of the Purchaser's prime broker with the Depository Trust Company System as directed by such Purchaser. As used herein, "Standard Settlement Period" means the standard settlement period, expressed in a number of Trading Days, on the Company's primary Trading Market with respect to the Common Stock as in effect on the date of delivery of a certificate representing Warrant Shares, as applicable, issued with a restrictive legend.

(e) In addition to such Purchaser's other available remedies, the Company shall pay to a Purchaser, in cash, (i) as partial liquidated damages and not as a penalty, for each \$1,000 of Warrant Shares (based on the higher of the actual purchase price or VWAP of the Common Stock on the date such Securities are submitted to the Transfer Agent) delivered for removal of the restrictive legend and subject to Section 4.1(d), \$10 per Trading Day (increasing to \$20 per Trading Day five (5) Trading Days after such damages have begun to accrue) for each Trading Day after the Legend Removal Date until such certificate is delivered without a legend and/or injunctive relief.

(f) [Reserved]

(g) Injunction. In the event a Purchaser shall request delivery of Unlegended Shares as described in this Section 4.1 and the Company is required to deliver such Unlegended Shares, the Company may not refuse to deliver Unlegended Shares based on any claim that such Purchaser or anyone associated or affiliated with such Purchaser has not complied with Purchaser's obligations under the Transaction Documents, or for any other reason, unless, an injunction or temporary restraining order from a court, on notice, restraining and or enjoining delivery of such Unlegended Shares shall have been sought and obtained by the Company and the Company has posted a surety bond for the benefit of such Purchaser in the amount of the greater of (i) 120% of the amount of the aggregate purchase price of the Underlying Shares to be subject to the injunction or temporary restraining order, or (ii) the VWAP of the Common Stock on the Trading Day before the issue date of the injunction multiplied by the number of Unlegended Shares to be subject to the injunction, which bond shall remain in effect until the completion of arbitration/litigation of the dispute and the proceeds of which shall be payable to such Purchaser to the extent Purchaser obtains judgment in Purchaser's favor.

(h) Buy-In. In addition to any other rights available to a Purchaser, if the Company fails to (a) issue and deliver (or cause to be delivered) to a Purchaser by the Legend Removal Date Warrant Shares that are free from all restrictive and other legends and (b) if after the Legend Removal Date such Purchaser purchases (in an open market transaction or otherwise) shares of Common Stock to deliver in satisfaction of a sale by such Purchaser of all or any portion of the number of shares of Common Stock, or a sale of a number of shares of Common Stock equal to all or any portion of the number of shares of Common Stock that such Purchaser anticipated receiving from the Company without any restrictive legend, then, an amount equal to the excess of such Purchaser's total purchase price (including brokerage commissions and other out-of-pocket expenses, if any) for the shares of Common Stock so purchased (including brokerage commissions and other reasonable out-of-pocket expenses, if any) (the "Buy-In Price") over the product of (x) such number of Warrant Shares that the Company was required to deliver to such Purchaser by the Legend Removal Date multiplied by (y) the lowest closing sale price of the Common Stock on any Trading Day during the period commencing on the date of the delivery by such Purchaser to the Company of the applicable Warrant Shares (as the case may be) and ending on the date of such delivery and payment under this clause (ii).

(i) Plan of Distribution. Each Purchaser, severally and not jointly with the other Purchasers, agrees with the Company that such Purchaser will sell any Securities only (i) pursuant to an effective registration statement which it then available for sales of such Securities and in accordance with the plan of distribution contained therein and in accordance with any applicable prospectus delivery requirements, or an exemption from such delivery requirements, (ii) in compliance with the requirements of Rule 144 or (iii) pursuant to another exemption from registration as evidenced by an opinion of counsel selected by the Purchaser and reasonably acceptable to the Company, the form and substance of which opinion shall be reasonably satisfactory to the Company, to the effect that such transfer does not require registration of such transferred Securities under the Securities Act. Each Purchaser acknowledges that the removal of the restrictive legend from certificates representing Securities as set forth in this Section 4.1 is predicated upon the Company's reliance upon this agreement and that the Company's counsel shall be entitled to rely on this agreement in providing the opinion specified in Section 4.1(d).

4.2 Acknowledgment of Dilution. The Company acknowledges that the issuance of the Securities may result in dilution of the outstanding shares of Common Stock, which dilution may be substantial under certain market conditions. The Company further acknowledges that its obligations under the Transaction Documents, including, without limitation, its obligation to issue the Warrant Shares pursuant to the Transaction Documents, are unconditional and absolute and not subject to any right of set off, counterclaim, delay or reduction, regardless of the effect of any such dilution or any claim the Company may have against any Purchaser and regardless of the dilutive effect that such issuance may have on the ownership of the other stockholders of the Company.

#### 4.3 Furnishing of Information; Public Information

(a) As long as the Securities are outstanding, the Company covenants to file all current and periodic reports required to be filed in conjunction with all applicable laws.

(b) At any time during the period commencing from the six (6) month anniversary of the Closing Date and ending at such time that all of the Securities have either been sold by the Purchasers or may be sold by the Purchasers without the requirement for the Company to be in compliance with Rule 144(c)(1) and otherwise without restriction or limitation pursuant to Rule 144, if the Company (i) shall fail for any reason to satisfy the current public information requirement under Rule 144(c) or (ii) becomes an issuer described in Rule 144(i)(1)(i), and the Company shall fail to satisfy any condition set forth in Rule 144(i)(2) (a "Public Information Failure") then, in addition to such Purchaser's other available remedies, the Company shall pay to a Purchaser, in cash, as partial liquidated damages and not as a penalty, by reason of any such delay in or reduction of its ability to sell the Securities, an amount in cash equal to two percent (2.0%) of the aggregate Subscription Amount of such Purchaser's Securities on the day of a Public Information Failure and on every thirtieth (30<sup>th</sup>) day (pro rated for periods totaling less than thirty days) thereafter until the earlier of (a) the date such Public Information Failure is cured and (b) such time that such public information is no longer required for the Purchasers to transfer the Warrant Shares pursuant to Rule 144. The payments to which a Purchaser shall be entitled pursuant to this Section 4.3(b) are referred to herein as "Public Information Failure Payments." Public Information Failure Payments shall be paid on the earlier of (i) the last day of the calendar month during which such Public Information Failure Payments are incurred and (ii) the third (3<sup>rd</sup>) Business Day after the event or failure giving rise to the Public Information Failure Payments is cured. In the event the Company fails to make Public Information Failure Payments in a timely manner, such Public Information Failure Payments shall bear interest at the rate of 1.5% per month (prorated for partial months) until paid in full. Nothing herein shall limit such Purchaser's right to pursue actual damages for the Public Information Failure, and such Purchaser shall have the right to pursue all remedies available to it at law or in equity including, without limitation, a decree of specific performance and/or injunctive relief.

4.4 Integration. The Company shall not sell, offer for sale or solicit offers to buy or otherwise negotiate in respect of any security (as defined in Section 2 of the Securities Act) that would be integrated with the offer or sale of the Securities in a manner that would require the registration under the Securities Act of the sale of the Securities to the Purchasers by the Company or that would be integrated with the offer or sale of the Securities by the Company for purposes of the rules and regulations of any Trading Market such that it would require stockholder approval prior to the closing of such other transaction unless stockholder approval is obtained before the closing of such subsequent transaction.

4.5 Exercise Procedures. The form of Notice of Exercise included in the Warrants set forth the totality of the procedures required of the Purchasers in order to exercise the Warrants. Without limiting the preceding sentences, no ink-original Notice of Exercise shall be required, nor shall any medallion guarantee (or other type of guarantee or notarization) of any Notice of Exercise form be required in order to exercise the Warrants. No additional legal opinion, other information or instructions shall be required of the Purchasers to exercise their Warrants. The Company shall honor exercises of the Warrants and shall deliver Warrant Shares in accordance with the terms, conditions and time periods set forth in the Transaction Documents.

4.6 Securities Laws Disclosure: Publicity. The Company shall (a) by the Disclosure Time, issue a press release disclosing the material terms of the transactions contemplated hereby, and (b) file a Current Report on Form 8-K, including the Transaction Documents as exhibits thereto, with the Commission within the time required by the Exchange Act. From and after the issuance of such press release, the Company represents to the Purchasers that it shall have publicly disclosed all material, non-public information delivered to any of the Purchasers by the Company or any of its Subsidiaries, or any of their respective officers, directors, employees or agents in connection with the transactions contemplated by the Transaction Documents. In addition, effective upon the issuance of such press release, the Company acknowledges and agrees that any and all confidentiality or similar obligations under any agreement, whether written or oral, between the Company, any of its Subsidiaries or any of their respective officers, directors, agents, employees or Affiliates on the one hand, and any of the Purchasers or any of their Affiliates on the other hand, shall terminate. The Company Purchaser shall consult with each other in issuing any other press releases with respect to the transactions contemplated hereby, and neither the Company nor any Purchaser shall issue any such press release nor otherwise make any such public statement without the prior consent of the Company, with respect to any press release of any Purchaser, or without the prior consent of each Purchaser, with respect to any press release of the Company, which consent shall not unreasonably be withheld or delayed, except if such disclosure is required by law, in which case the disclosing party shall promptly provide the other party with prior notice of such public statement or communication. Notwithstanding the foregoing, the Company shall not publicly disclose the name of any Purchaser, or include the name of any Purchaser in any filing with the Commission or any regulatory agency or Trading Market, without the prior written consent of such Purchaser, except (a) as required by federal securities law in connection with (i) any registration statement contemplated by this Agreement and (ii) the filing of final Transaction Documents with the Commission and (b) to the extent such disclosure is required by law or Trading Market regulations in which case the Company shall provide the Purchasers with not less than two (2) Business Days prior notice of such disclosure permitted under this clause (b). To the extent that any notice provided pursuant to any Transaction Document constitutes or contains material, non-public information regarding the Company or any Subsidiaries, the Company shall, within five (5) Business Days of giving such notice to a Purchaser, file such notice with the Commission or make such information publicly available in a Current Report on Form 8-K. The Company understands and confirms that each Purchaser shall be relying on the foregoing covenant in effecting transactions in securities of the Company.

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4.7 Shareholder Rights Plan. No claim will be made or enforced by the Company or, with the consent of the Company, any other Person, that any Purchaser is an “Acquiring Person” under any control share acquisition, business combination, poison pill (including any distribution under a rights agreement) or similar anti-takeover plan or arrangement in effect or hereafter adopted by the Company, or that any Purchaser could be deemed to trigger the provisions of any such plan or arrangement, by virtue of receiving Securities under the Transaction Documents or under any other agreement between the Company and the Purchasers.

4.8 Non-Public Information. Except with respect to the material terms and conditions of the transactions contemplated by the Transaction Documents, which shall be disclosed pursuant to Section 4.6, the Company covenants and agrees that neither it, nor any other Person acting on its behalf will provide any Purchaser or its agents or counsel with any information that constitutes, or the Company reasonably believes constitutes, material non-public information, unless prior thereto such Purchaser shall have consented to the receipt of such information and agreed with the Company to keep such information confidential. The Company understands and confirms that each Purchaser shall be relying on the foregoing covenant in effecting transactions in securities of the Company. To the extent that the Company, any of its Subsidiaries, or any of their respective officers, directors, agents, employees or Affiliates delivers any material, non-public information to a Purchaser without such Purchaser’s consent to hold such information in a confidential manner, the Company hereby covenants and agrees that such Purchaser shall not have any duty of confidentiality to the Company, any of its Subsidiaries, or any of their respective officers, directors, agents, employees or Affiliates, or a duty to the Company, any of its Subsidiaries or any of their respective officers, directors, agents, employees or Affiliates not to trade on the basis of, such material, non-public information, provided that the Purchaser shall remain subject to applicable law. The Company understands and confirms that each Purchaser shall be relying on the foregoing covenant in effecting transactions in securities of the Company.

4.9 Use of Proceeds. The Company shall use the net proceeds from the sale of the Securities hereunder for working capital purposes and shall not use such proceeds: (a) for the satisfaction of any portion of the Company’s debt (other than payment of trade payables in the ordinary course of the Company’s business and prior practices), (b) for the redemption of any Common Stock or Common Stock Equivalents, (c) for the settlement of any outstanding litigation or (d) in violation of FCPA or OFAC regulations.

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4.10 Indemnification of Purchasers. Subject to the provisions of this Section 4.10, the Company will indemnify and hold each Purchaser and its directors, officers, shareholders, members, partners, employees and agents (and any other Persons with a functionally equivalent role of a Person holding such titles notwithstanding a lack of such title or any other title), each Person who controls such Purchaser (within the meaning of Section 15 of the Securities Act and Section 20 of the Exchange Act), and the directors, officers, shareholders, agents, members, partners or employees (and any other Persons with a functionally equivalent role of a Person holding such titles notwithstanding a lack of such title or any other title) of such controlling persons (each, a “Purchaser Party”) harmless from any and all losses, liabilities, obligations, claims, contingencies, damages, costs and expenses, including all judgments, amounts paid in settlements, court costs and reasonable attorneys’ fees and costs of investigation that any such Purchaser Party may suffer or incur as a result of or relating to (a) any breach of any of the representations, warranties, covenants or agreements made by the Company in this Agreement or in the other Transaction Documents or (b) any action instituted against the Purchaser Parties in any capacity, or any of them or their respective Affiliates, by any stockholder of the Company who is not an Affiliate of such Purchaser Party, with respect to any of the transactions contemplated by the Transaction Documents (unless such action is solely based upon a material breach of such Purchaser Party’s representations, warranties or covenants under the Transaction Documents or any agreements or understandings such Purchaser Party may have with any such stockholder or any violations by such Purchaser Party of state or federal securities laws or any conduct by such Purchaser Party which is finally judicially determined to constitute fraud, gross negligence or willful misconduct). The Company will indemnify each Purchaser Party, to the fullest extent permitted by applicable law, from and against any and all losses, claims, damages, liabilities, costs (including, without limitation, reasonable attorneys’ fees) and expenses, as incurred, arising out of or relating to (i) any untrue or alleged untrue statement of a material fact contained in such Registration Statement, Prospectus Supplement, any prospectus or any form of prospectus or in any amendment or supplement thereto or in any preliminary prospectus, or arising out of or relating to any omission or alleged omission of a material fact required to be stated therein or necessary to make the statements therein (in the case of any prospectus or supplement thereto, in the light of the circumstances under which they were made) not misleading, except to the extent, but only to the extent, that such untrue statements or omissions are based solely upon information regarding such Purchaser Party furnished in writing to the Company by such Purchaser Party expressly for use therein, or (ii) any violation or alleged violation by the Company of the Securities Act, the Exchange Act or any state securities law, or any rule or regulation thereunder in connection therewith). If any action shall be brought against any Purchaser Party in respect of which indemnity may be sought pursuant to this Agreement, such Purchaser Party shall promptly notify the Company in writing, and the Company shall have

the right to assume the defense thereof with counsel of its own choosing reasonably acceptable to the Purchaser Party. Any Purchaser Party shall have the right to employ separate counsel in any such action and participate in the defense thereof, but the fees and expenses of such counsel shall be at the expense of such Purchaser Party except to the extent that (i) the employment thereof has been specifically authorized by the Company in writing, (ii) the Company has failed after a reasonable period of time to assume such defense and to employ counsel or (iii) in such action there is, in the reasonable opinion of counsel, a material conflict on any material issue between the position of the Company and the position of such Purchaser Party, in which case the Company shall be responsible for the reasonable fees and expenses of no more than one such separate counsel. The Company will not be liable to any Purchaser Party under this Agreement (y) for any settlement by a Purchaser Party effected without the Company's prior written consent, which shall not be unreasonably withheld or delayed; or (z) to the extent, but only to the extent that a loss, claim, damage or liability is attributable to any Purchaser Party's breach of any of the representations, warranties, covenants or agreements made by such Purchaser Party in this Agreement or in the other Transaction Documents. The indemnification required by this Section 4.10 shall be made by periodic payments of the amount thereof during the course of the investigation or defense, as and when bills are received or are incurred. The indemnity agreements contained herein shall be in addition to any cause of action or similar right of any Purchaser Party against the Company or others and any liabilities the Company may be subject to pursuant to law.

#### 4.11 Reservation and Listing of Securities.

(a) Prior to the Closing, the Company shall reserve and thereafter maintain a reserve at least equal to the Required Minimum from its duly authorized shares of Common Stock for issuance pursuant to the Transaction Documents.

(b) If, on any date, the number of authorized but unissued (and otherwise unreserved) shares of Common Stock is less than the Required Minimum on such date, then the Board of Directors shall use commercially reasonable efforts to amend the Company's Amended and Restated Certificate of Incorporation to increase the number of authorized but unissued shares of Common Stock to at least the Required Minimum at such time and reserve, if necessary, any additional Common Stock necessary to satisfy the Required Minimum, as soon as possible and in any event not later than the 60<sup>th</sup> day after such date, provided that the Company will not be required at any time to authorize a number of shares of Common Stock greater than the maximum remaining number of shares of Common Stock that could possibly be issued after such time pursuant to the Transaction Documents.

(c) The Company shall, if applicable: (i) in the time and manner required by the principal Trading Market, prepare and file with such Trading Market an additional shares listing application covering a number of shares of Common Stock at least equal to the Required Minimum on the date of such application, (ii) take all steps necessary to cause such shares of Common Stock to be approved for listing or quotation on such Trading Market as soon as possible thereafter, (iii) provide to the Purchasers evidence of such listing or quotation and (iv) maintain the listing or quotation of such Common Stock on any date at least equal to the Required Minimum on such date on such Trading Market or another Trading Market. The Company agrees to maintain the eligibility of the Common Stock for electronic transfer through the Depository Trust Company or another established clearing corporation, including, without limitation, by timely payment of fees to the Depository Trust Company or such other established clearing corporation in connection with such electronic transfer (a "Listing Default"). Notwithstanding the foregoing, a Listing Default shall not be deemed to have occurred and any existing Listing Default shall be deemed to have ended upon the consummation of a Fundamental Transaction which results in the Common Stock no longer being listed or quoted on a Trading Market.

#### 4.12 [Reserved]

4.13 Listing of Shares. The Company hereby agrees to use reasonable best efforts to maintain the listing or quotation of the Common Stock on the Trading Market on which it is currently listed and concurrently with the Closing, to apply to list or quote all of the Company's Underlying Shares on such Trading Market and to promptly secure the listing of all the Underlying Shares on such Trading Market. The Company further agrees, if the Company applies to have the Common Stock traded on any other Trading Market or the OTCQB Market quotation system of the OTC Market Group ("OTCQB") or OTCQX (an "Alternative Market"), it will then include in such application all of the Underlying Shares, and will take such other action as is necessary to cause all of the Underlying Shares to be listed or quoted on such other Trading Market or Alternative Market as promptly as possible. The Company will then take all action reasonably necessary to continue the listing and trading of the Common Stock on a Trading Market or an Alternative Market and will comply in all material respects with the Company's reporting, filing and other obligations under the rules of the Trading Market or Alternative Market. For so long as the Company maintains a listing or quotation of the Common Stock, the Company agrees to use commercially reasonable efforts to maintain the eligibility of the Common Stock for electronic transfer through the Depository Trust Company or another established clearing corporation, including, without limitation, by timely payment of fees to the Depository Trust Company or such other established clearing corporation in connection with such electronic transfer.

4.14 Form D; Blue Sky Filings. The Company agrees to timely file a Form D with respect to the Securities as required under Regulation D and to provide a copy thereof, promptly upon request of any Purchaser. The Company shall take such action as the Company shall reasonably determine is necessary in order to obtain an exemption for, or to qualify the Securities for, sale to the Purchasers at a Closing under Applicable Law, including "Blue Sky" laws of the states of the United States, and shall provide evidence of such actions promptly upon request of any Purchaser.

4.15 Equal Treatment of Purchasers. No consideration (including any modification of any Transaction Document) shall be offered or paid to any Person to amend or consent to a waiver or modification of any provision of the Transaction Documents unless the same consideration is also offered to all of the parties to the Transaction Documents. For clarification purposes, this provision constitutes a separate right granted to each Purchaser by the Company and negotiated separately by each Purchaser, and is intended for the Company to treat the Purchasers as a class and shall not in any way be construed as the Purchasers acting in concert or as a group with respect to the purchase, disposition or voting of Securities or otherwise.

4.16 Purchaser Sales. Each Purchaser, severally and not jointly with the other Purchasers, covenants that neither it, nor any Affiliate acting on its behalf or pursuant to any understanding with it will execute any purchases or sales, including Short Sales, of any of the Company's securities during the period commencing as of the time that such Purchaser first received a written term sheet from the Company or any other Person representing the Company setting forth the material terms of the transactions contemplated hereunder and ending at such time that the transactions contemplated by this Agreement are first publicly announced pursuant to the initial press release as described in Section 4.6. Each Purchaser, severally and not jointly with the other Purchasers, covenants that until such time as the transactions contemplated by this Agreement are publicly disclosed by the Company pursuant to the initial press release as described in Section 4.6, such Purchaser will maintain the confidentiality of the existence and terms of this transaction and the information included in the Disclosure Schedules. Notwithstanding anything contained in this Agreement to the contrary, the Company expressly acknowledges and agrees that (i) no Purchaser makes any representation, warranty or covenant hereby that it will not engage in effecting transactions in any securities of the Company after the time that the transactions contemplated by this Agreement are first publicly announced pursuant to the initial press release as described in Section 4.6, (ii) no Purchaser shall be restricted or prohibited from effecting any transactions in any securities of the Company in accordance with applicable securities laws from and after the time that the transactions contemplated by this Agreement are first publicly announced pursuant to the initial press release as described in Section 4.6 and (iii) no Purchaser shall have any duty of confidentiality or duty not to trade in the securities of the Company to the Company or its Subsidiaries after the issuance of the initial press release as described in Section 4.6. Notwithstanding the foregoing, in the case of a Purchaser that is a multi-managed investment vehicle whereby separate portfolio managers manage separate portions of such Purchaser's assets and the portfolio managers have no direct knowledge of the investment decisions made by the portfolio managers managing other portions of such Purchaser's assets, the covenant set forth above shall only apply with respect to the portion of assets managed by the portfolio manager that

4.17 Piggyback Registration Rights. If at any time after the Closing Date there is not an effective registration statement covering all of the Warrant Shares and the Company determines to prepare and file with the Commission a registration statement relating to an offering for the account of others under the Securities Act of any of its equity securities, but excluding Forms S-4 or S-8 and similar forms which do not permit such registration, then the Company shall send to each holder of any of the Securities written notice of such determination and, if within five (5) business days after receipt of such notice, any such holder shall so request in writing, the Company shall include in such registration statement all or any part of the Warrant Shares such holder requests to be registered and which inclusion of such Warrant Shares will be subject to customary underwriter cutbacks applicable to all holders of registration rights and minimum cutbacks in accordance with guidance provided by the Commission (including, but not limited to, Rule 415). The obligations of the Company under this Section may be waived by any holder of any of the Securities entitled to registration rights under this Section 4.17. The holders whose Warrant Shares are included or required to be included in such registration statement are granted the same rights, benefits, liquidated or other damages and indemnification granted to other holders of securities included in such registration statement. In no event shall the liability of any holder of Securities or permitted successor in connection with any Warrant Shares included in any such registration statement be greater in amount than the dollar amount of the net proceeds actually received by such holder upon the sale of the Warrant Shares sold pursuant to such registration or such lesser amount in proportion to all other holders of securities included in such registration statement. All expenses incurred by the Company in complying with Section 4.17, including, without limitation, all registration and filing fees, printing expenses (if required), fees and disbursements of counsel and independent public accountants for the Company, fees and expenses (including reasonable counsel fees) incurred in connection with complying with state securities or "blue sky" laws, fees of the FINRA, transfer taxes, and fees of transfer agents and registrars, are called "Registration Expenses." All underwriting discounts and selling commissions applicable to the sale of Registrable Securities and legal expenses of such holders are called "Selling Expenses." The Company will pay all Registration Expenses in connection with the registration statement under Section 4.17. Selling Expenses in connection with each registration statement under Section 4.17 shall be borne by the holder and will be apportioned among such holders in proportion to the number of shares included therein for a holder relative to all the securities included therein for all selling holders, or as all holders may agree. It shall be a condition precedent to the obligations of the Company to complete the registration pursuant to this Agreement with respect to the Warrant Shares of a particular holder that such holder shall furnish to the Company in writing such information and representation letters, including a completed form of a securityholder questionnaire, with respect to itself and the proposed distribution by it as the Company may reasonably request to assure compliance with federal and applicable state securities laws.

4.18 2023 Purchase Agreement. The Purchasers confirm that they (i) hold at least 50.1% in interest of the relevant component of the Securities outstanding and held by the Significant Purchasers as of the date hereof, and (ii) constitute the Original Significant Purchasers who purchased not less than 65% of the Series A-1 Preferred Stock purchased by all of the Original Significant Purchasers under the Purchase Agreement, in each case including AIGH Investment Partners L.P. and its Affiliates. Pursuant to Section 4.12(c) of the 2023 Purchase Agreement, the Purchasers hereby consent to the Offering and the transactions contemplated thereby. Capitalized terms used in this Section 4.18 have the respective meanings ascribed thereto in the 2023 Purchase Agreement, except that the term "Purchasers" shall have the meaning set forth in this Agreement.

## **ARTICLE V. MISCELLANEOUS**

5.1 Termination. This Agreement may be terminated by any Purchaser, as to such Purchaser's obligations hereunder only and without any effect whatsoever on the obligations between the Company and the other Purchasers, by written notice to the other parties, if the Closing has not been consummated on or before the Termination Date; provided, however, that no such termination will affect the right of any party to sue for any breach by any other party (or parties).

5.2 Fees and Expenses. At the Closing, the Company has agreed to reimburse AIGH the non-accountable sum of \$17,500.00 for its legal fees and expenses. Accordingly, in lieu of the foregoing payments, the aggregate amount that A.I.G.H. is to pay for the Securities at the Closing shall be reduced by \$17,500.00. Except as expressly set forth in the Transaction Documents to the contrary, each party shall pay the fees and expenses of its advisers, counsel, accountants and other experts, if any, and all other expenses incurred by such party incident to the negotiation, preparation, execution, delivery and performance of this Agreement. The Company shall reimburse Purchasers for the reasonable, actual out-of-pocket expenses incurred in connection with UCC, lien, judgment, tax and similar searches and filings conducted in connection with the Offering, such amount not to exceed \$2,500. The Company shall pay all Transfer Agent fees (including, without limitation, any fees required for same-day processing of any instruction letter delivered by the Company and any exercise notice delivered by a Purchaser), stamp taxes and other taxes and duties levied in connection with the delivery of any Securities to the Purchasers. All of the Purchasers acknowledge that they have been advised to seek the advice of their own attorneys.

5.3 Entire Agreement. The Transaction Documents, together with the exhibits and schedules thereto, contain the entire understanding of the parties with respect to the subject matter hereof and thereof and supersede all prior agreements and understandings, oral or written, with respect to such matters, which the parties acknowledge have been merged into such documents, exhibits and schedules.

5.4 Notices. Any and all notices or other communications or deliveries required or permitted to be provided hereunder shall be in writing and shall be deemed given and effective on the earliest of: (a) the time of transmission, if such notice or communication is delivered via facsimile or email attachment at the e-mail address as set forth on the signature pages attached hereto at or prior to 5:30 p.m. (New York City time) on a Trading Day, (b) the next Trading Day after the time of transmission, if such notice or communication is delivered via facsimile or email attachment at the facsimile number or e-mail address as set forth on the signature pages attached hereto on a day that is not a Trading Day or later than 5:30 p.m. (New York City time) on any Trading Day, (c) the second (2<sup>nd</sup>) Trading Day following the date of mailing, if sent by U.S. nationally recognized overnight courier service or (d) upon actual receipt by the party to whom such notice is required to be given. The address for such notices and communications shall be as set forth on the signature pages attached hereto. For so long as any shares of Warrants are outstanding, the Company agrees that it will appoint its registered agent in the state of Delaware as its agent for service of process. The Company's current registered agent is Corporation Service Company maintaining an address at 251 Little Falls Drive, Wilmington, Delaware 19808 and email address of sop@cscglobal.com. Such registered agent shall continue to be a non-exclusive agent for service of process until replaced by another registered agent in the State of Delaware or New York, after notice to the Purchasers in the manner described herein, of such replacement address.

5.5 Amendments; Waivers. No provision of this Agreement may be waived, modified, supplemented or amended except in a written instrument signed, in the case of an amendment, by the Company and the Purchasers holding at least a majority in interest of the Securities then outstanding (the "Majority in Interest"), or, in the case of a waiver, by the party against whom enforcement of any such waived provision is sought. Whenever the term "consent of the Purchasers" or a similar term is employed herein, it shall mean the consent of a Majority in Interest. No waiver of any default with respect to any provision, condition or requirement of this Agreement shall be deemed to be a



continuing waiver in the future or a waiver of any subsequent default or a waiver of any other provision, condition or requirement hereof, nor shall any delay or omission of any party to exercise any right hereunder in any manner impair the exercise of any such right. Any proposed amendment or waiver that disproportionately, materially and adversely affects the rights and obligations of any Purchaser relative to the comparable rights and obligations of the other Purchasers shall require the prior written consent of such adversely affected Purchaser. Any amendment effected in accordance with this Section 5.5 shall be binding upon each Purchaser and holder of Securities and the Company.

5.6 Headings. The headings herein are for convenience only, do not constitute a part of this Agreement and shall not be deemed to limit or affect any of the provisions hereof.

5.7 Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the parties and their successors and permitted assigns. The Company may not assign this Agreement or any rights or obligations hereunder without the prior written consent of each Purchaser (other than by merger). Any Purchaser may assign any or all of its rights under this Agreement to any Person to whom such Purchaser assigns or transfers any Securities in compliance with the terms of this Agreement, provided that such transferee agrees in writing to be bound, with respect to the transferred Securities, by the provisions of the Transaction Documents that apply to the "Purchasers."

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5.8 No Third-Party Beneficiaries. This Agreement is intended for the benefit of the parties hereto and their respective successors and permitted assigns and is not for the benefit of, nor may any provision hereof be enforced by, any other Person, except as otherwise set forth in Section 4.10.

5.9 Governing Law. All questions concerning the construction, validity, enforcement and interpretation of the Transaction Documents shall be governed by and construed and enforced in accordance with the internal laws of the State of New York, without regard to the principles of conflicts of law thereof. Each party agrees that all legal Proceedings concerning the interpretations, enforcement and defense of the transactions contemplated by this Agreement and all other Transaction Documents (whether brought against a party hereto or its respective affiliates, directors, officers, shareholders, partners, members, employees or agents) shall be commenced exclusively in the state and federal courts sitting in the City of New York. Each party hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the City of New York, Borough of Manhattan for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein (including with respect to the enforcement of any of the Transaction Documents), and hereby irrevocably waives, and agrees not to assert in any Action or Proceeding, any claim that it is not personally subject to the jurisdiction of any such court, that such Action or Proceeding is improper or is an inconvenient venue for such Proceeding. Each party hereby irrevocably waives personal service of process and consents to process being served in any such Action or Proceeding by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to such party at the address in effect for notices to it under this Agreement and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any other manner permitted by law. If any party shall commence an Action or Proceeding to enforce any provisions of the Transaction Documents, then, in addition to the obligations of the Company under Section 4.10, the prevailing party in such Action or Proceeding shall be reimbursed by the non-prevailing party for its reasonable attorneys' fees and other costs and expenses incurred with the investigation, preparation and prosecution of such Action or Proceeding.

5.10 Survival. The representations and warranties contained herein shall survive the applicable Closing and the delivery of the Securities on such Closing Date.

5.11 Execution. This Agreement may be executed in two or more counterparts, all of which when taken together shall be considered one and the same agreement and shall become effective when counterparts have been signed by each party and delivered to each other party, it being understood that the parties need not sign the same counterpart. In the event that any signature is delivered by facsimile transmission or by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or ".pdf" signature page were an original thereof.

5.12 Severability. If any term, provision, covenant or restriction of this Agreement is held by a court of competent jurisdiction to be invalid, illegal, void or unenforceable, the remainder of the terms, provisions, covenants and restrictions set forth herein shall remain in full force and effect and shall in no way be affected, impaired or invalidated, and the parties hereto shall use their commercially reasonable efforts to find and employ an alternative means to achieve the same or substantially the same result as that contemplated by such term, provision, covenant or restriction. It is hereby stipulated and declared to be the intention of the parties that they would have executed the remaining terms, provisions, covenants and restrictions without including any of such that may be hereafter declared invalid, illegal, void or unenforceable.

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5.13 Rescission and Withdrawal Right. Notwithstanding anything to the contrary contained in (and without limiting any similar provisions of) any of the other Transaction Documents, whenever any Purchaser exercises a right, election, demand or option under a Transaction Document and the Company does not timely perform its related obligations within the periods therein provided, then such Purchaser may rescind or withdraw, in its sole discretion from time to time upon written notice to the Company, any relevant notice, demand or election in whole or in part without prejudice to its future actions and rights; provided, however, that in the case of a rescission of an exercise of a Warrant, the applicable Purchaser shall be required to return any shares of Common Stock subject to any such rescinded exercise notice concurrently with the return to such Purchaser of the aggregate Exercise Price paid to the Company for such shares and the restoration of such Purchaser's right to acquire such shares pursuant to such Purchaser's Warrant (including, issuance of a replacement warrant certificate evidencing such restored right). In the event of rescission, Purchaser shall be entitled to receive all accrued liquidated damages.

5.14 Replacement of Securities. If any certificate or instrument evidencing any Securities is mutilated, lost, stolen or destroyed, the Company shall issue or cause to be issued in exchange and substitution for and upon cancellation thereof (in the case of mutilation), or in lieu of and substitution therefor, a new certificate or instrument, but only upon receipt of evidence reasonably satisfactory to the Company of such loss, theft or destruction. The applicant for a new certificate or instrument under such circumstances shall also pay any reasonable third-party costs (including customary indemnity) associated with the issuance of such replacement Securities.

5.15 Remedies. In addition to being entitled to exercise all rights provided herein or granted by law, including recovery of damages, each of the Purchasers and the Company will be entitled to specific performance under the Transaction Documents. The parties agree that monetary damages may not be adequate compensation for any loss incurred by reason of any breach of obligations contained in the Transaction Documents and hereby agree to waive and not to assert in any Action for specific performance of any such obligation the defense that a remedy at law would be adequate.

5.16 Payment Set Aside. To the extent that the Company makes a payment or payments to any Purchaser pursuant to any Transaction Document or a Purchaser enforces or exercises its rights thereunder, and such payment or payments or the proceeds of such enforcement or exercise or any part thereof are subsequently invalidated, declared to be fraudulent or preferential, set aside, recovered from, disgorged by or are required to be refunded, repaid or otherwise restored to the Company, a trustee, receiver or any other Person under any law (including, without limitation, any bankruptcy law, state or federal law, common law or equitable cause of action), then to the extent of any such restoration the obligation or part thereof originally intended to be satisfied shall be revived and continued in full force and effect as if such payment had not been made or such enforcement or setoff had not occurred.

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5.17 Usury. To the extent it may lawfully do so, the Company hereby agrees not to insist upon or plead or in any manner whatsoever claim, and will resist any and all efforts to be compelled to take the benefit or advantage of, usury laws wherever enacted, now or at any time hereafter in force, in connection with any Action or Proceeding that may be brought by any Purchaser in order to enforce any right or remedy under any Transaction Document. Notwithstanding any provision to the contrary contained in any Transaction Document, it is expressly agreed and provided that the total liability of the Company under the Transaction Documents for payments in the nature of interest shall not exceed the maximum lawful rate authorized under applicable law (the "Maximum Rate"), and, without limiting the foregoing, in no event shall any rate of interest or default interest, or both of them, when aggregated with any other sums in the nature of interest that the Company may be obligated to pay under the Transaction Documents exceed such Maximum Rate. It is agreed that if the maximum contract rate of interest allowed by law and applicable to the Transaction Documents is increased or decreased by statute or any official governmental action subsequent to the date hereof, the new maximum contract rate of interest allowed by law will be the Maximum Rate applicable to the Transaction Documents from the effective date thereof forward, unless such application is precluded by applicable law. If under any circumstances whatsoever, interest in excess of the Maximum Rate is paid by the Company to any Purchaser with respect to indebtedness evidenced by the Transaction Documents, such excess shall be applied by such Purchaser to the unpaid principal balance of any such indebtedness or be refunded to the Company, the manner of handling such excess to be at such Purchaser's election.

5.18 Independent Nature of Purchasers' Obligations and Rights. The obligations of each Purchaser under any Transaction Document are several and not joint with the obligations of any other Purchaser, and no Purchaser shall be responsible in any way for the performance or non-performance of the obligations of any other Purchaser under any Transaction Document. Nothing contained herein or in any other Transaction Document, and no action taken by any Purchaser pursuant hereto or thereto, shall be deemed to constitute the Purchasers as a partnership, an association, a joint venture or any other kind of entity, or create a presumption that the Purchasers are in any way acting in concert or as a group with respect to such obligations or the transactions contemplated by the Transaction Documents. Each Purchaser shall be entitled to independently protect and enforce its rights, including, without limitation, the rights arising out of this Agreement or out of the other Transaction Documents, and it shall not be necessary for any other Purchaser to be joined as an additional party in any Proceeding for such purpose. Each Purchaser has been represented by its own separate legal counsel in its review and negotiation of the Transaction Documents. For reasons of administrative convenience only, each Purchaser and its respective counsel have chosen to communicate with the Company through G&M. G&M represents only those purchasers who have formally engaged G&M. The Company has elected to provide all Purchasers with the same terms and Transaction Documents for the convenience of the Company and not because it was required or requested to do so by any of the Purchasers. It is expressly understood and agreed that each provision contained in this Agreement and in each other Transaction Document is between the Company and a Purchaser, solely, and not between the Company and the Purchasers collectively and not between and among the Purchasers.

5.19 Liquidated Damages. The Company's obligations to pay any partial liquidated damages or other amounts owing under the Transaction Documents is a continuing obligation of the Company and shall not terminate until all unpaid partial liquidated damages and other amounts have been paid notwithstanding the fact that the instrument or security pursuant to which such partial liquidated damages or other amounts are due and payable shall have been canceled.

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5.20 Saturdays, Sundays, Holidays, etc. If the last or appointed day for the taking of any action or the expiration of any right required or granted herein shall not be a Business Day, then such action may be taken or such right may be exercised on the next succeeding Business Day.

5.21 Construction. The parties agree that each of them and/or their respective counsel have reviewed and had an opportunity to revise the Transaction Documents and, therefore, the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of the Transaction Documents or any amendments thereto. In addition, unless the context otherwise indicates, each and every reference to share prices and shares of Common Stock in any Transaction Document shall be subject to adjustment for reverse and forward stock splits, stock dividends, stock combinations and other similar transactions of the Common Stock that occur after the date of this Agreement.

5.22 Election of Rights. In the event more than one Transaction Document confers rights or benefits on the Purchaser or obligations on the Company or any Subsidiary and such rights or benefits are not identical, the Purchaser shall be permitted, for itself, to elect which Transaction Document or part thereof shall be applicable with respect to each such right, benefit and obligation.

5.23 **WAIVER OF JURY TRIAL. IN ANY ACTION, SUIT, OR PROCEEDING IN ANY JURISDICTION BROUGHT BY ANY PARTY AGAINST ANY OTHER PARTY, THE PARTIES EACH KNOWINGLY AND INTENTIONALLY, TO THE GREATEST EXTENT PERMITTED BY APPLICABLE LAW, HEREBY ABSOLUTELY, UNCONDITIONALLY, IRREVOCABLY AND EXPRESSLY WAIVES FOREVER TRIAL BY JURY.**

5.24 Equitable Adjustment. The Warrant Exercise Prices, trading volume amounts, price/volume amounts, amounts of equity issuable subsequent to the applicable Closing and similar figures in the Transaction Documents shall be equitably adjusted (but without duplication) to offset the effect of stock splits, stock dividends, similar events and as otherwise described in the Transaction Documents.

*(Signature Pages Follow)*

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IN WITNESS WHEREOF, the parties hereto have caused this Securities Purchase Agreement to be duly executed by their respective authorized signatories as of the date first indicated above.

SMARTKEM, INC.

Address for Notice:

Manchester Technology Center  
Hexagon Tower  
Delaunays Road, Blackley  
Manchester, M9 8GQ  
Attention: Barbra Keck, CFO

By: \_\_\_\_\_ Email: b.keck@smartkem.com

Name: Barbra Keck  
Title: Chief Financial Officer

With a copy to (which shall not constitute notice):

Lowenstein Sandler LLP  
1251 Avenue of the Americas  
New York, NY 10020  
Attn: Tracy Buffer, Esq.  
Email: tbuffer@lowenstein.com

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK  
SIGNATURE PAGE FOR PURCHASER FOLLOWS]

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[PURCHASER SIGNATURE PAGES TO  
SMARTKEM, INC. SECURITIES PURCHASE AGREEMENT]

IN WITNESS WHEREOF, the undersigned have caused this Securities Purchase Agreement to be duly executed by their respective authorized signatories as of the date first indicated above.

Name of Purchaser: \_\_\_\_\_

Signature of Authorized Signatory of Purchaser: \_\_\_\_\_

Name of Authorized Signatory: \_\_\_\_\_

Title of Authorized Signatory: \_\_\_\_\_

Email Address of Authorized Signatory: \_\_\_\_\_

Address for Notice to Purchaser:

Address for Delivery of Securities to Purchaser (if not same as address for notice):

Subscription Amount: \$ \_\_\_\_\_

Note principal amount: \$ \_\_\_\_\_ (reflects an original issue discount of 10%)

Warrants: \_\_\_\_\_

EIN Number, if applicable, will be provided under separate cover

[SIGNATURE PAGES CONTINUE]

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#### **EXHIBIT D**

**ACCREDITED INVESTOR QUESTIONNAIRE  
IN CONNECTION WITH INVESTMENT IN SECURED NOTE  
AND WARRANTS OF SMARTKEM, INC.,  
A DELAWARE CORPORATION  
PURSUANT TO SECURITIES PURCHASE AGREEMENT DATED OCTOBER [ \* ], 2025**

TO : SmartKem, Inc.  
Manchester Technology Center, Hexagon Tower,  
Delaunays Road, Blackley Manchester, M9 8GQ U.K.

EMAIL: B.Keck@smartkem.com

#### **INSTRUCTIONS**

PLEASE ANSWER ALL QUESTIONS. If the appropriate answer is "None" or "Not Applicable", so state. Please print or type your answers to all questions. Attach additional sheets if necessary to complete your answers to any item.

Your answers will be kept strictly confidential at all times. However, SmartKem, Inc. (the "Company") may present this Questionnaire to such parties as it deems appropriate in order to assure itself that the offer and sale of securities of the Company will not result in a violation of the registration provisions of the Securities Act of 1933, as amended, or a violation of the securities laws of any state.

1. Please provide the following information:

Name: \_\_\_\_\_

Name of additional purchaser: \_\_\_\_\_  
(Please complete information in Question 5)

Date of birth, or if other than an individual, year of organization or incorporation:

2. Residence address, or if other than an individual, principal office address:

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Telephone number:

Social Security Number:

Taxpayer Identification Number:

3. Business address:

Business telephone number:

4. Send mail to: Residence Business

5. With respect to tenants in common, joint tenants and tenants by the entirety, complete only if information differs from that above:

Residence address:

Telephone number:

Social Security Number:

Taxpayer Identification Number:

Business address:

Business telephone number:

Send Mail to: Residence Business

6. Please describe your present or most recent business or occupation and indicate such information as the nature of your employment, how long you have been employed there, the principal business of your employer, the principal activities under your management or supervision and the scope (e.g. dollar volume, industry rank, etc.) of such activities:

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7. Please state whether you (i) are associated with or affiliated with a member of the Financial Industry Regulatory Association, Inc. ("FINRA"), (ii) are an owner of stock or other securities of FINRA member (other than stock or other securities purchased on the open market), or (iii) have made a subordinated loan to any FINRA member:

Yes

No

(a) If you answered yes to any of (i) – (iii) above, please indicate the applicable answer and briefly describe the facts below:

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8A. Applicable to Individuals ONLY. Please answer the following questions concerning your financial condition as an “accredited investor” (within the meaning of Rule 501 of Regulation D). If the purchaser is more than one individual, each individual must initial an answer where the question indicates a “yes” or “no” response and must answer any other question fully, indicating to which individual such answer applies. If the purchaser is purchasing jointly with his or her spouse, one answer may be indicated for the couple as a whole:

8.1 Does your net worth\* (or joint net worth with your spouse or spousal equivalent) exceed \$1,000,000?

\_\_\_\_\_  
Yes

\_\_\_\_\_  
No

8.2 Did you have an individual income\*\* in excess of \$200,000 or joint income together with your spouse or spousal equivalent in excess of \$300,000 in each of the two most recent years and do you reasonably expect to reach the same income level in the current year?

\_\_\_\_\_  
Yes

\_\_\_\_\_  
No

8.3 Are you an executive officer of the Company?

\_\_\_\_\_  
Yes

\_\_\_\_\_  
No

\* For purposes hereof, net worth shall be deemed to include ALL of your assets, liquid or illiquid MINUS any liabilities.

\*\* For purposes hereof, the term “income” is not limited to “adjusted gross income” as that term is defined for federal income tax purposes, but rather includes certain items of income which are deducted in computing “adjusted gross income”. For investors who are salaried employees, the gross salary of such investor, minus any significant expenses personally incurred by such investor in connection with earning the salary, plus any income from any other source including unearned income, is a fair measure of “income” for purposes hereof. For investors who are self-employed, “income” is generally construed to mean total revenues received during the calendar year minus significant expenses incurred in connection with earning such revenues.

8.B Applicable to Corporations, Partnerships, Trusts, Limited Liability Companies and other Entities ONLY:

The purchaser is an accredited investor because the purchaser falls within at least one of the following categories (Check all appropriate lines):

- \_\_\_ (i) a bank as defined in Section 3(a)(2) of the Act or any savings and loan association or other institution as defined in Section 3(a)(5)(A) of the Act whether acting in its individual or fiduciary capacity;
- \_\_\_ (ii) a broker-dealer registered pursuant to Section 15 of the Securities Exchange Act of 1934, as amended;
- \_\_\_ (iii) an investment adviser registered pursuant to Section 203 of the Investment Advisers Act of 1940 or registered pursuant to the laws of a state;
- \_\_\_ (iv) an investment adviser relying on the exemption from registering with the Commission under Section 203(l) or (m) of the Investment Advisers Act of 1940;
- \_\_\_ (v) an insurance company as defined in Section 2(13) of the Act;
- \_\_\_ (vi) an investment company registered under the Investment Company Act of 1940, as amended (the “Investment Act”) or a business development company as defined in Section 2(a)(48) of the Investment Act;
- \_\_\_ (vii) a Small Business Investment Company licensed by the U.S. Small Business Administration under Section 301(c) or (d) of the Small Business Investment Act of 1958, as amended;
- \_\_\_ (viii) a Rural Business Investment Company as defined in Section 384A of the Consolidated Farm and Rural Development Act;
- \_\_\_ (ix) a plan established and maintained by a state, its political subdivisions, or any agency or instrumentality of a state or its political subdivisions, for the benefit of its employees, where such plan has total assets in excess of \$5,000,000;
- \_\_\_ (x) an employee benefit plan within the meaning of Title 1 of the Employee Retirement Income Security Act of 1974, as amended (the “Employee Act”), where the investment decision is made by a plan fiduciary, as defined in Section 3(21) of the Employee Act, which is either a bank, savings and loan association, insurance company, or registered investment adviser, or an employee benefit plan that has total assets in excess of \$5,000,000, or a self-directed plan the investment decisions of which are made solely by persons that are accredited investors;

- \_\_\_ (xi) a private business development company, as defined in Section 202(a)(22) of the Investment Advisers Act of 1940, as amended;
- \_\_\_ (xii) an organization described in Section 501(c)(3) of the Internal Revenue Code, a corporation, a Massachusetts or similar business trust, or a partnership, or limited liability company, not formed for the specific purpose of acquiring the securities offered, with total assets in excess of \$5,000,000;

- \_\_\_ (xiii) a director, executive officer, or general partner of the issuer of the securities being offered or sold, or any director, executive officer, or general partner of a general partner of that issuer;
- \_\_\_ (xiv) a natural person whose individual net worth, or joint net worth with that person's spouse or spousal equivalent exceeds \$1,000,000;
- \_\_\_ (xv) a natural person who had an individual income in excess of \$200,000 in each of the two most recent years or joint income with that person's spouse or spousal equivalent in excess of \$300,000 in each of those years and has a reasonable expectation of reaching the same income level in the current year;
- \_\_\_ (xvi) a trust, with total assets in excess of \$5,000,000, not formed for the specific purpose of acquiring the securities offered, whose purchase is directed by a "sophisticated" person, as described in Rule 506(b)(2)(ii) promulgated under the Act, who has such knowledge and experience in financial and business matters that he or she is capable of evaluating the merits and risks of the prospective investment;
- \_\_\_ (xvii) a natural person holding in good standing one or more professional certifications or designations or credentials from an accredited educational institution that the Commission has designated as qualifying an individual for accredited investor status;
- \_\_\_ (xviii) a natural person who is a "knowledgeable employee" as defined in Rule 3c5(a)(4) under the Investment Company Act of 1940 (17 CFR 270.3c-5(a)(4)), of the issuer of the securities being offered or sold where the issuer would be an investment company, as defined in Section 3 of such act, but for the exclusion provided by either Section 3(c)(1) or Section 3(c)(7) of such Act;

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- \_\_\_ (xix) a "family office", as defined in Rule 202(a)(11)(G)-1 under the Investment Advisers Act of 1940 (17CFR 275.202(a)(11)(G)-1) (the "Family Office Rule"), with assets under management in excess of \$5,000,000, that is not formed for the specific purpose of acquiring the securities offered, and whose prospective investment is directed by a person who has such knowledge and experience in financial and business matters that such family office is capable of evaluating the merits and risks of the prospective investment;
- \_\_\_ (xx) a "family client" as defined in the Family Office Rule, of a family office that satisfies the above requirements and whose investments are directed by that family office;
- \_\_\_ (xxi) an individual that holds professional certification or designation or credentials in good standing from an accredited institution that the SEC has designated as sufficient to demonstrate his or her investment knowledge, which initially consists of Series 7, 65 or 82 exam, but may be expanded in the future to encompass other exams or certifications as sufficient by order if the designations satisfy specified criteria;
- \_\_\_ (xxii) an entity not otherwise specified in the accredited investor definition and not formed for the specific purpose of acquiring the securities offered that owns more than \$5,000,000 in "investments" as defined in Rule 2a51-1(b);
- \_\_\_ (xxiii) an investment adviser registered under the Investment Advisers Act of 1940, as amended or a person exempt from registration as a private fund adviser or a venture capital adviser;
- \_\_\_ (xxiv) an entity in which all of the equity investors are persons or entities described above ("accredited investors"). ALL EQUITY OWNERS MUST COMPLETE "EXHIBIT A" ATTACHED HERETO.

9.A Do you have sufficient knowledge and experience in financial and business matters so as to be capable of evaluating the merits and risks associated with investing in the Company?

Yes \_\_\_\_\_

No \_\_\_\_\_

ANSWER QUESTION 9B ONLY IF THE ANSWER TO QUESTION 9A WAS "NO."

9.B If the answer to Question 9A was "NO," do you have a financial or investment adviser (a) that is acting in the capacity as a purchaser representative and (b) who has sufficient knowledge and experience in financial and business matters so as to be capable of evaluating the merits and risks associated with investing in the Company?

Yes \_\_\_\_\_

No \_\_\_\_\_

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If you have a financial or investment adviser(s), please identify each such person and indicate his or her business address and telephone number in the space below. (Each such person must complete, and you must review and acknowledge, a separate Purchaser Representative Questionnaire which will be supplied at your request).

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10. You have the right, will be afforded an opportunity, and are encouraged to investigate the Company and review relevant factors and documents pertaining to the officers of the Company, and the Company and its business and to ask questions of a qualified representative of the Company regarding this investment and the properties, operations, and methods of doing business of the Company.

Have you or has your purchaser representative, if any, conducted any such investigation, sought such documents or asked questions of a qualified representative of the Company regarding this investment and the properties, operations, and methods of doing business of the Company?

Yes \_\_\_\_\_

No \_\_\_\_\_

If so, briefly describe: \_\_\_\_\_  
\_\_\_\_\_

If so, have you completed your investigation and/or received satisfactory answers to your questions?

\_\_\_\_\_  
Yes No

11. Do you understand the nature of an investment in the Company and the risks associated with such an investment?

\_\_\_\_\_  
Yes No

12. Do you understand that there is no guarantee of any financial return on this investment and that you will be exposed to the risk of losing your entire investment?

\_\_\_\_\_  
Yes No

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13. Do you understand that this investment is not liquid?

\_\_\_\_\_  
Yes No

14. Do you have adequate means of providing for your current needs and personal contingencies in view of the fact that this is not a liquid investment?

\_\_\_\_\_  
Yes No

15. Are you aware of the Company's business affairs and financial condition, and have you acquired all such information about the Company as you deem necessary and appropriate to enable you to reach an informed and knowledgeable decision to acquire the Interests?

\_\_\_\_\_  
Yes No

16. Do you have a "pre-existing relationship" with the Company or any of the officers of the Company?

\_\_\_\_\_  
Yes No

(For purposes hereof, "pre-existing relationship" means any relationship consisting of personal or business contacts of a nature and duration such as would enable a reasonably prudent investor to be aware of the character, business acumen, and general business and financial circumstances of the person with whom such relationship exists.)

If so, please name the individual or other person with whom you have a pre-existing relationship and describe the relationship:

17. Exceptions to the representations and warranties made in Section 3.2 of the Securities Purchase Agreement (if no exceptions, write "none" – if left blank, the response will be deemed to be "none"): \_\_\_\_\_  
\_\_\_\_\_

Dated: \_\_\_\_\_, 2025

If purchaser is one or more individuals (all individuals must sign):

\_\_\_\_\_  
(Type or print name of prospective purchaser)

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\_\_\_\_\_  
Signature of prospective purchaser

\_\_\_\_\_  
Social Security Number

\_\_\_\_\_  
(Type or print name of additional purchaser)

\_\_\_\_\_  
Signature of spouse, joint tenant, tenant in common or other signature, if required

**Annex A****Definition of Accredited Investor**

The securities will only be sold to investors who represent in writing in the Securities Purchase Agreement that they are accredited investors, as defined in Regulation D, Rule 501 under the Act which definition is set forth below:

1. A natural person whose net worth, or joint net worth with spouse or spousal equivalent, at the time of purchase exceeds \$1 million (excluding home); or
2. A natural person whose individual gross income exceeded \$200,000 or whose joint income with that person's spouse or spousal equivalent exceeded \$300,000 in each of the last two years, and who reasonably expects to exceed such income level in the current year; or
3. A trust with total assets in excess of \$5 million, not formed for the specific purpose of acquiring the securities offered, whose purchase is directed by a sophisticated person as described in Section 230.506(b)(2)(ii); or
4. A director or executive officer of the Company; or
5. The investor is an entity, all of the owners of which are accredited investors; or
6. (a) a bank as defined in Section 3(a)(2) of the Act or any savings and loan association or other institution as defined in Section 3(a)(5)(A) of the Act whether acting in its individual or fiduciary capacity;  
(b) any broker or dealer registered pursuant to Section 15 of the Securities Exchange Act of 1934, as amended;  
(c) an investment adviser registered pursuant to Section 203 of the Investment Advisers Act of 1940 or registered pursuant to the laws of a state;  
(d) any investment adviser relying on the exemption from registering with the Commission under Section 203(l) or (m) of the Investment Advisers Act of 1940 or registered pursuant to Section 203 of the Investment Advisers Act of 1940;  
(e) an insurance company as defined in Section 2(13) of the Act;  
(f) an investment company registered under the Investment Company Act of 1940, as amended (the "Investment Act") or a business development company as defined in Section 2(a)(48) of the Investment Act;  
(g) a Small Business Investment Company licensed by the U.S. Small Business Administration under Section 301(c) or (d) of the Small Business Investment Act of 1958, as amended;

- (h) a Rural Business Investment Company as defined in Section 384A of the Consolidated Farm and Rural Development Act;
- (i) an employee benefit plan established and maintained by a state, its political subdivisions, or any agency or instrumentality of a state or its political subdivisions, for the benefit of its employees, where such plan has total assets in excess of \$5,000,000;
- (j) an employee benefit plan within the meaning of Title 1 of the Employee Retirement Income Security Act of 1974, as amended (the "Employee Act"), where the investment decision is made by a plan fiduciary, as defined in Section 3(21) of the Employee Act, which is either a bank, savings and loan association, insurance company, or registered investment adviser, or an employee benefit plan that has total assets in excess of \$5,000,000, or a self-directed plan the investment decisions of which are made solely by persons that are accredited investors;
- (k) a private business development company, as defined in Section 202(a)(22) of the Investment Advisers Act of 1940, as amended;
- (l) an organization described in Section 501(c)(3) of the Internal Revenue Code, a corporation, a Massachusetts or similar business trust, or a partnership, or limited liability company, not formed for the specific purpose of acquiring the securities offered, with total assets in excess of \$5,000,000;
- (m) any natural person holding in good standing one or more professional certifications or designations or credentials from an accredited educational institution that the Commission has designated as qualifying an individual for accredited investor status, which in determining whether to designate a professional certification or designation or credential from an accredited educational institution for purposes of this paragraph, the Commission will consider, among others, the following attributes:
  - (i), the certification, designation, or credential arises out of an examination or series of examinations administered by a self-regulatory organization or other industry body or is issued by an accredited educational institution,
  - (ii) the examination or series of examinations is designed to reliably and validly demonstrate an individual's comprehension and sophistication in the areas of securities and investing,
  - (iii) persons obtaining such certification, designation, or credential can reasonably be expected to have sufficient knowledge and experience in financial and business matters to evaluate the merits and risks of a prospective investment, and
  - (iv) an indication that an individual holds the certification or designation is either made publicly available by the relevant self-regulatory organization or other industry body or is otherwise independently verifiable;
- (n) a natural person who is a "knowledgeable employee" as defined in Rule 3c5(a)(4) under the Investment Company Act of 1940 (17 CFR 270.3c-5(a)(41)), of the



(o) any “family office”, as defined in Rule 202(a)(11)(G)-1 under the Investment Advisers Act of 1940 (17CFR 275.202(a)(11)(G)-1) (the “Family Office Rule”), with assets under management in excess of \$5,000,000, that is not formed for the specific purpose of acquiring the securities offered, and whose prospective investment is directed by a person who has such knowledge and experience in financial and business matters that such family office is capable of evaluating the merits and risks of the prospective investment;

(p) any “family client” as defined in the Family Office Rule, of a family office that satisfies the above requirements and whose investments are directed by that family office;

(q) an entity not otherwise specified in the accredited investor definition and not formed for the specific purpose of acquiring the securities offered that owns more than \$5,000,000 in “investments” as defined in Rule 2a51-1(b); or

(r) an investment adviser registered under the Investment Advisers Act of 1940, as amended or a person exempt from registration as a private fund adviser or a venture capital adviser.

**IDENTIFICATION & DOCUMENTATION AND SOURCE OF FUNDS:**

1. Please submit a copy of non-expired identification for the authorized signatory(ies) on the investment documents, showing name, date of birth, address and signature. **The address shown on the identification document MUST match the Investor’s address shown on the Investor Signature Page.**

Current Driver’s License                      or                      Valid Passport                      or                      Identity Card

*(Circle one or more)*

2. If the Investor is a corporation, limited liability company, trust or other type of entity, please submit the following requisite documents: (i) Articles of Incorporation, By-Laws, Certificate of Formation, Operating Agreement, Trust or other similar documents for the type of entity; and (ii) Corporate Resolution or power of attorney or other similar document granting authority to signatory(ies) and designating that they are permitted to make the proposed investment.

3. Please advise where the funds were derived from to make the proposed investment:

Investments                      Savings                      Proceeds of Sale                      Other

*(Circle one or more)*

**THE SECURITIES OFFERED ARE SPECULATIVE AND INVOLVE A HIGH DEGREE OF RISK. NO INVESTMENT IN THE SECURITIES SHOULD BE MADE BY ANY PERSON WHO CANNOT AFFORD THE LOSS OF THEIR ENTIRE AMOUNT OF SUCH INVESTMENT. PROSPECTIVE INVESTORS SHOULD CONSIDER CAREFULLY THE INFORMATION SET FORTH IN THE DOCUMENTS BEFORE PURCHASING SUCH SECURITIES.**

**EXHIBIT “A” TO ACCREDITED INVESTOR QUESTIONNAIRE**

ACCREDITED CORPORATIONS, PARTNERSHIPS, LIMITED LIABILITY COMPANIES, TRUSTS OR OTHER ENTITIES INITIALING QUESTION 8B(xi) MUST PROVIDE THE FOLLOWING INFORMATION.

I hereby certify that set forth below is a complete list of all equity owners in \_\_\_\_\_ [NAME OF ENTITY], a [TYPE OF ENTITY] formed pursuant to the laws of the State of \_\_\_\_\_. I also certify that **EACH SUCH OWNER HAS INITIALED THE SPACE OPPOSITE HIS OR HER NAME** and that each such owner understands that by initialing that space he or she is representing that he or she is an accredited individual investor satisfying the test for accredited individual investors indicated under “Type of Accredited Investor.”

\_\_\_\_\_  
signature of authorized corporate officer, general partner or trustee

| <u>Name of Equity Owner</u> | <u>Type of Accredited Investor<sup>1</sup></u> |
|-----------------------------|------------------------------------------------|
| 1. _____                    | _____                                          |
| 2. _____                    | _____                                          |
| 3. _____                    | _____                                          |
| 4. _____                    | _____                                          |
| 5. _____                    | _____                                          |
| 6. _____                    | _____                                          |
| 7. _____                    | _____                                          |
| 8. _____                    | _____                                          |
| 9. _____                    | _____                                          |
| 10. _____                   | _____                                          |

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<sup>1</sup> Indicate which Subparagraph of 8.1 - 8.3 the equity owner satisfies.

**BANK SECRECY ACT (BSA) REQUIREMENT (for entities only)**

Identify and complete for each of the 25% or more beneficial owner(s) of the entity as defined below:\*

Name: Percent of Ownership:

Home Address (No PO Box):

Phone Number: Email Address:

Title (if applicable):

Social Security Number: Date of Birth:

\* Please provide documents to verify the identity of the beneficial owner(s), including a current valid issued government id for each beneficial owner identified above.

\* Beneficial Owner: each individual, if any, who directly or indirectly, through any contract, arrangement, understanding, relationship or otherwise owns 25% or more of the equity interests of a legal entity investor: (A) a single individual with significant responsibility to control, manage or direct a legal entity investor, including, (i) an executive officer or senior manager (e.g. Chief Executive Officer, Chief Financial Officer, Chief Operating Officer, Managing Member, General Partner, President, Vice President or Treasurer) or (ii) any other individual who regularly performs similar functions or (B) if a trust owns directly or indirectly, through any contract, arrangement, understanding, relationship or otherwise, 25% or more of the equity interests of a legal entity investor, the beneficial owner shall mean the trustee. It is the ultimate beneficial owner(s) that must be identified and not nominees.

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THIS SECURITY HAS NOT BEEN REGISTERED WITH THE SECURITIES AND EXCHANGE COMMISSION OR THE SECURITIES COMMISSION OF ANY STATE IN RELIANCE UPON AN EXEMPTION FROM REGISTRATION UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE “SECURITIES ACT”), AND, ACCORDINGLY, MAY NOT BE OFFERED OR SOLD EXCEPT PURSUANT TO AN EFFECTIVE REGISTRATION STATEMENT UNDER THE SECURITIES ACT OR PURSUANT TO AN AVAILABLE EXEMPTION FROM, OR IN A TRANSACTION NOT SUBJECT TO, THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT AND IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS AS EVIDENCED BY A LEGAL OPINION OF COUNSEL TO THE TRANSFEROR TO SUCH EFFECT, THE SUBSTANCE OF WHICH SHALL BE REASONABLY ACCEPTABLE TO THE COMPANY. THIS SECURITY MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT WITH A REGISTERED BROKER-DEALER OR OTHER LOAN WITH A FINANCIAL INSTITUTION THAT IS AN “ACCREDITED INVESTOR” AS DEFINED IN RULE 501(a) UNDER THE SECURITIES ACT OR OTHER LOAN SECURED BY SUCH SECURITIES.

**Original Issue Date:** October 31, 2025

**Original Principal Amount:** \$[\*]

**Purchase Price:** \$[\*]

**SENIOR SECURED NOTE  
DUE APRIL [\*], 2026**

THIS SENIOR SECURED NOTE is one of a series of duly authorized and validly issued Senior Secured Notes of SMARTKEM, INC., a Delaware corporation (the “Company”), having its principal place of business at Manchester Technology Center, Hexagon Tower, Delaunays Road, Blackley, Manchester, M9 8GQ, Attention: Barbra Keck, CFO, Email: [b.keck@smartkem.com](mailto:b.keck@smartkem.com), designated as its Senior Secured Note (this note, the “Note” and, collectively with the other notes of such series, the “Notes”).

FOR VALUE RECEIVED, the Company promises to pay to [\*] or its registered assigns (the “Holder”), or shall have paid pursuant to the terms hereunder, the principal sum of \$[\*] on the sooner of (i) the closing of a Funding Transaction; or (ii) April 30, 2026 (the “Maturity Date”) or such earlier date as this Note is required or permitted to be repaid as provided hereunder, and to pay interest to the Holder on the then outstanding principal amount of this Note in accordance with the provisions hereof. This Note is subject to the following additional provisions:

Section 1. Definitions. For the purposes hereof, in addition to the terms defined elsewhere in this Note, (a) capitalized terms not otherwise defined herein shall have the meanings set forth in the Purchase Agreement and (b) the following terms shall have the following meanings:

“Bankruptcy Event” means any of the following events: (a) the Company or any significant Subsidiary (as such term is defined in Rule 1-02(w) of Regulation S-X) thereof commences a case or other proceeding under any bankruptcy, reorganization, arrangement, adjustment of debt, relief of debtors, dissolution, insolvency or liquidation or similar law of any jurisdiction relating to the Company or any significant Subsidiary thereof, (b) there is commenced against the Company or any significant Subsidiary thereof any such case or proceeding that is not dismissed within sixty (60) days after commencement, (c) the Company or any significant Subsidiary thereof is adjudicated insolvent or bankrupt or any order of relief or other order approving any such case or proceeding is entered, (d) the Company or any significant Subsidiary thereof suffers any appointment of any custodian or the like for it or any substantial part of its property that is not discharged or stayed within sixty (60) calendar days after such appointment, (e) the Company or any significant Subsidiary thereof makes a general assignment for the benefit of creditors, (f) the Company or any significant Subsidiary thereof calls a meeting of its creditors with a view to arranging a composition, adjustment or restructuring of its debts, (g) the Company or any significant Subsidiary thereof, by any act or failure to act, expressly indicates its consent to, approval of or acquiescence in any of the foregoing or takes any corporate or other action for the purpose of effecting any of the foregoing.

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“Business Day” means any day other than Saturday, Sunday or other day on which the Federal Bank of New York is closed.

“Change of Control Transaction” means the occurrence after the date hereof of any of (a) an acquisition after the date hereof by an individual or legal entity or “group” (as described in Rule 13d-5(b)(1) promulgated under the Exchange Act) of effective control (whether through legal or beneficial ownership of capital stock of the Company, by contract or otherwise), other than the Holders or their respective Affiliates or any “group” of which any Holder or its Affiliates is a part, of in excess of 50% of the voting securities of the Company (other than by means of exercise of the Warrants), (b) the Company merges into or consolidates with any other Person, or any Person merges into or consolidates with the Company and, after giving effect to such transaction, the stockholders of the Company immediately prior to such transaction own less than 50% of the aggregate voting power of the Company or the successor entity of such transaction, (c) the Company (and all of its Subsidiaries, taken as a whole) sells or transfers all or substantially all of its assets to another Person and the stockholders of the Company immediately prior to such transaction own less than 50% of the aggregate voting power of the acquiring entity immediately after the transaction, (d) a replacement at one time or within a three year period of more than one-half of the members of the Board of Directors which is not approved by a majority of those individuals who are members of the Board of Directors on the Original Issue Date (or by those individuals who are serving as members of the Board of Directors on any date whose nomination to the Board of Directors was approved by a majority of the members of the Board of Directors who are members on the date hereof), or (e) the execution by the Company of an agreement to which the Company is a party or by which it is bound, providing for any of the events set forth in clauses (a) through (d) above.

“Event of Default” shall have the meaning set forth in Section 5(a).

“Funding Transaction” mean one or a series of related transactions in which the Company issues debt or sells shares of its capital stock and/or Common Stock Equivalents for gross proceeds of not less than \$2,000,000 or more in capital funding.

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“Original Issue Date” means the date of the first issuance of the Notes, regardless of any transfers of any Note and regardless of the number of instruments which may be issued to evidence such Notes.

“Purchase Agreement” means the Securities Purchase Agreement, dated as of October [\*], 2025 among the Company and the original Holders, as amended, modified or supplemented from time to time in accordance with its terms.

“Securities Act” means the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder.

Section 2. Interest. No interest shall accrue on this Note prior to an event of default.

Section 3. Registration of Transfers and Exchanges.

a) Different Denominations. This Note is exchangeable for an equal aggregate principal amount of Notes of different authorized denominations, as requested by the Holder surrendering the same. No service charge will be payable for such registration of transfer or exchange.

b) Investment Representations. This Note has been issued subject to certain investment representations of the original Holder set forth in the Purchase Agreement and may be transferred or exchanged only in compliance with the Purchase Agreement and applicable federal and state securities laws and regulations.

c) Reliance on Note Register. Prior to due presentment for transfer to the Company of this Note, the Company and any agent of the Company may treat the Person in whose name this Note is duly registered on the Note Register as the owner hereof for the purpose of receiving payment as herein provided and for all other purposes, whether or not this Note is overdue, and neither the Company nor any such agent shall be affected by notice to the contrary.

Section 4. Negative Covenants. As long as any portion of this Note remains outstanding, unless Holder and the holders of at least 50.1% in principal amount of the then outstanding Notes shall have otherwise given prior written consent, the Company shall not, and shall not permit any of the Subsidiaries to, directly or indirectly (except to the extent permitted by the terms of the Purchase Agreement):

a) except with the prior written consent of the Agent (as defined in the Security Agreement), and except for up to \$100,000 in debt related to capital expenditures enter into, create, incur, assume, guarantee or suffer to exist any indebtedness for borrowed money of any kind that is pari passu with or senior to the Notes, including, but not limited to, a guarantee, on or with respect to any of its property or assets now owned or hereafter acquired or any interest therein or any income or profits therefrom;

b) enter into, create, incur, assume or suffer to exist any Liens of any kind, on or with respect to any of its property or assets now owned or hereafter acquired or any interest therein or any income or profits therefrom, except Permitted Liens;

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c) amend its charter documents, including, without limitation, its certificate of incorporation and bylaws, in any manner that materially and adversely affects any rights of the Holder under this Note or the Security Agreement;

d) repay, repurchase or offer to repay, repurchase or otherwise acquire more than a de minimis number of shares of its Common Stock or Common Stock Equivalents;

e) repay, repurchase or offer to repay, repurchase or otherwise acquire any indebtedness for borrowed money of any kind held by any Related Party or Affiliate of the Company;

f) pay cash dividends or distributions on any equity securities of the Company;

g) fail to make payment of any regular wages to employee other than the chief executive officer or chief financial officer; or

h) enter into any agreement with respect to any of the foregoing.

#### Section 5. Events of Default.

a) "Event of Default" means, wherever used herein, any of the following events (whatever the reason for such event and whether such event shall be voluntary or involuntary or effected by operation of law or pursuant to any judgment, decree or order of any court, or any order, rule or regulation of any administrative or governmental body):

i. any default in the payment of the principal amount of any Note or interest, or any other amounts owing to a Holder under this Note or the Security Agreement, as and when the same shall become due and payable (whether on the Maturity Date or by acceleration or otherwise) which default is not cured within ten (10) Trading Days;

ii. the Company shall fail to observe or perform any other covenant or agreement contained in the or in any Transaction Document, which failure is not cured, if possible to cure, within the earlier to occur of (A) ten (10) Trading Days after notice of such failure sent by the Holder or by any other Holder to the Company and (B) ten (10) Trading Days after the Company has become aware of such failure and which default is not cured within such ten (10) Trading Days;

iii. a default or event of default (subject to any grace or cure period provided in the applicable agreement, document or instrument) shall occur under any of the Transaction Documents;

iv. any representation or warranty made in this Note, any other Transaction Documents, any written statement pursuant hereto or thereto or any other report, financial statement or certificate made or delivered to the Holder or any other Holder shall be untrue or incorrect in any material respect as of the date when made or deemed made, which if curable, has not been cured within fifteen (15) Trading Days of date of the occurrence;

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v. the Company or any significant Subsidiary (as such term is defined in Rule 1-02(w) of Regulation S-X) shall be subject to a Bankruptcy Event;

vi. [Reserved];

vii. the Common Stock shall not be eligible for listing or quotation for trading on a Trading Market and shall not be eligible to resume listing or quotation for trading thereon within five Trading Days;

viii. the Company (and all of its Subsidiaries, taken as a whole) shall be a party to any Change of Control Transaction or Fundamental Transaction or shall sell or dispose of all or in excess of 50% of its assets in one transaction or a series of related transactions (whether or not such sale would constitute a Change of Control Transaction);

ix. the electronic transfer by the Company of shares of Common Stock through the Depository Trust Company or another established clearing corporation is no longer available or is subject to a "chill" for a period of more than five Trading Days;

x.any monetary judgment, writ or similar final process shall be entered or filed against the Company, any subsidiary or any of their respective property or other assets for more than \$100,000, and such judgment, writ or similar final process shall remain unvacated, unbonded or unstayed for a period of 45 calendar days;

xi. the Company shall fail to maintain the Required Minimum;

xii. the Company shall fail to timely make any filings required under the Exchange Act after any applicable grace period under Rule 12b-25 of the Exchange Act and such failure has not been cured within fifteen (15) Trading Days of date of the occurrence of such failure; or

xiii. the Company fails to satisfy the current public information requirements under Rule 144 and such failure has not been cured within fifteen (15) Trading Days of date of the occurrence of such failure.

b) Remedies Upon Event of Default. If any Event of Default occurs, the outstanding principal amount of this Note, plus accrued but unpaid interest and other amounts owing in respect thereof through the date of acceleration, shall become, at the Holder's election, immediately due and payable in cash. Commencing on the occurrence of any Event of Default the interest rate on this Note shall accrue at an interest rate equal to the lesser of 10% of the accrued principal amount due and owing under this Note per annum or the maximum rate permitted under applicable law. In connection with such acceleration described herein, the Holder need not provide, and the Company hereby waives, any presentment, demand, protest or other notice of any kind, and the Holder may immediately and without expiration of any grace period enforce any and all of its rights and remedies hereunder and all other remedies available to it under applicable law. Such acceleration may be rescinded and annulled by the Holder at any time prior to payment hereunder and the Holder shall have all rights as a holder of the Note until such time, if any, as the Holder receives full payment pursuant to this Section 5(b). No such rescission or annulment shall affect any subsequent Event of Default or impair any right consequent thereon.

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#### Section 6. Miscellaneous.

a) Notices. Any and all notices or other communications or deliveries to be provided by the Holder hereunder, including, shall be in writing and delivered personally, by email attachment, or sent by a nationally recognized overnight courier service, addressed to the Company, at the address set forth above, or such other email address, or address as the Company may specify for such purposes by notice to the Holder delivered in accordance with this Section 6(a). Any and all notices or other communications or deliveries to be provided by the Company hereunder shall be in writing and delivered personally, by email attachment, or sent by a nationally recognized overnight courier service addressed to each Holder at the, email address or address of the Holder appearing on the books of the Company, or if no such email attachment or address appears on the books of the Company, at the principal place of business of such Holder, as set forth in the Purchase Agreement. Any notice or other communication or deliveries hereunder shall be deemed given and effective on the earliest of (i) the date of transmission, if such notice or communication is delivered via email attachment to the email address set forth on the signature pages attached hereto prior to 5:30 p.m. (New York City time) on any date, (ii) the next Trading Day after the date of transmission, if such notice or communication is delivered via email attachment to the email address set forth on the signature pages attached hereto on a day that is not a Trading Day or later than 5:30 p.m. (New York City time) on any Trading Day, (iii) the second Trading Day following the date of mailing, if sent by U.S. nationally recognized overnight courier service or (iv) upon actual receipt by the party to whom such notice is required to be given.

b) Absolute Obligation. Except as expressly provided herein, no provision of this Note shall alter or impair the obligation of the Company, which is absolute and unconditional, to pay the principal of, liquidated damages and accrued interest, as applicable, on this Note at the time, place, and rate, and in the coin or currency, herein prescribed. This Note is a direct debt obligation of the Company. This Note ranks pari passu with all other Notes now or hereafter issued under the terms set forth herein.

c) Lost or Mutilated Note. If this Note shall be mutilated, lost, stolen or destroyed, the Company shall execute and deliver, in exchange and substitution for and upon cancellation of a mutilated Note, or in lieu of or in substitution for a lost, stolen or destroyed Note, a new Note for the principal amount of this Note so mutilated, lost, stolen or destroyed, but only upon receipt of evidence of such loss, theft or destruction of such Note, and of the ownership hereof, reasonably satisfactory to the Company.

d) Governing Law. All questions concerning the construction, validity, enforcement and interpretation of this Note shall be governed by and construed and enforced in accordance with the internal laws of the State of New York, without regard to the principles of conflict of laws thereof. Each party agrees that all legal proceedings concerning the interpretation, enforcement and defense of the transactions contemplated by any of the Transaction Documents (whether brought against a party hereto or its respective Affiliates, directors, officers, shareholders, employees or agents) shall be commenced in the state and federal courts sitting in New York County, New York (the "New York Courts"). Each party hereto hereby irrevocably submits to the exclusive jurisdiction of the New York Courts for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein (including with respect to the enforcement of any of the Transaction Documents), and hereby irrevocably waives, and agrees not to assert in any suit, action or proceeding, any claim that it is not personally subject to the jurisdiction of such New York Courts, or such New York Courts are improper or inconvenient venue for such proceeding. Each party hereby irrevocably waives personal service of process and consents to process being served in any such suit, action or proceeding by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to such party at the address in effect for notices to it under this Note and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any other manner permitted by applicable law. Each party hereto hereby irrevocably waives, to the fullest extent permitted by applicable law, any and all right to trial by jury in any legal proceeding arising out of or relating to this Note or the transactions contemplated hereby. In the event that the Holder commences any legal proceeding for the repayment of this Note, the amount to be recovered by the Holder in any such action shall include the Holder's reasonable out-of-pocket expenses in connection with such action, including reasonable fees and disbursements of its counsel.

e) Waiver. Any waiver by the Company or the Holder of a breach of any provision of this Note shall not operate as or be construed to be a waiver of any other breach of such provision or of any breach of any other provision of this Note. The failure of the Company or the Holder to insist upon strict adherence to any term of this Note on one or more occasions shall not be considered a waiver or deprive that party of the right thereafter to insist upon strict adherence to that term or any other term of this Note on any other occasion. Any waiver by the Company or the Holder must be in writing.

f) Severability. If any provision of this Note is invalid, illegal or unenforceable, the balance of this Note shall remain in effect, and if any provision is inapplicable to any Person or circumstance, it shall nevertheless remain applicable to all other Persons and circumstances. If it shall be found that any interest or other amount deemed interest due hereunder violates the applicable law governing usury, the applicable rate of interest due hereunder shall automatically be lowered to equal the maximum rate of interest permitted under applicable law. The Company covenants (to the extent that it may lawfully do so) that it shall not at any time insist upon, plead, or in any manner whatsoever claim or take the benefit or advantage of, any stay, extension or usury law or other law which would prohibit or forgive the Company from paying all or any portion of the principal of or interest on this Note as contemplated herein, wherever enacted, now or at any time hereafter in force, or which may

affect the covenants or the performance of this Note, and the Company (to the extent it may lawfully do so) hereby expressly waives all benefits or advantage of any such law, and covenants that it will not, by resort to any such law, hinder, delay or impede the execution of any power herein granted to the Holder, but will suffer and permit the execution of every such as though no such law has been enacted.

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g) Remedies, Characterizations, Other Obligations, Breaches and Injunctive Relief. The remedies provided in this Note shall be cumulative and in addition to all other remedies available under this Note and any of the other Transaction Documents at law or in equity (including a decree of specific performance and/or other injunctive relief), and nothing herein shall limit the Holder's right to pursue actual and consequential damages for any failure by the Company to comply with the terms of this Note. The Company shall, upon reasonable written request, provide all information and documentation to the Holder that is reasonably requested by the Holder to enable the Holder to confirm the Company's compliance with the terms and conditions of this Note.

h) Next Business Day. Whenever any payment or other obligation hereunder shall be due on a day other than a Business Day, such payment shall be made on the next succeeding Business Day.

i) Headings. The headings contained herein are for convenience only, do not constitute a part of this Note and shall not be deemed to limit or affect any of the provisions hereof.

j) Secured Obligation. The obligations of the Company under this Note are secured by all assets of the Company and each Subsidiary pursuant to the Security Agreement, dated the date hereof between the Company, the Subsidiaries of the Company and the Secured Parties (as defined therein).

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*(Signature Page Follows)*

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IN WITNESS WHEREOF, the Company has caused this Note to be duly executed by a duly authorized officer as of the date first above indicated.

**SMARTKEM, INC.**

By: \_\_\_\_\_  
Name:  
Title:

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## SECURITY AGREEMENT

This SECURITY AGREEMENT, dated as of October 31, 2025 (this “Agreement”), is among Smartkem Inc., a Delaware corporation (the “Company”), Smartkem Ltd, a corporation organized under English law, and each other Subsidiary of the Company which shall become a party to this Agreement by execution and delivery of the form annexed hereto as Annex A and the Subsidiary Guaranty annexed thereto (each such Subsidiary, a “Guarantor” and together with the Company, the “Debtors”), the holders (the “Holders”) of the Company’s Senior Secured Notes issued on or about the date hereof in the original aggregate principal amount of up to \$1,100,000.00 and such other of the Company’s Senior Secured Notes which may be issued pursuant to the Securities Purchase Agreement (as defined in the Notes) in the future (collectively, the “Notes”), and The Hewlett Fund LP, as collateral agent (the “Collateral Agent”) for the Holders.

## WITNESSETH:

WHEREAS, pursuant to the Securities Purchase Agreement, the Holders have severally agreed to extend loans to the Company evidenced and to be evidenced by the Notes;

WHEREAS, pursuant to a Subsidiary Guaranty (“Guaranty”) and an Additional Debtor Joinder, each in the forms annexed hereto as Annex A, each Guarantor agrees to guarantee and act as surety for payment of such Notes, and other obligations of the Company under the Notes and Transaction Documents;

WHEREAS, in order to induce the Holders to extend the loans evidenced by the Notes, each Debtor has agreed to execute and deliver to the Collateral Agent this Agreement and to grant Collateral Agent, for the ratable benefit of the Holders and the Collateral Agent (collectively, the “Secured Parties”), a security interest in certain property of such Debtor to secure the prompt payment, performance and discharge in full of all of the Debtors’ obligations under the Notes and Transaction Documents.

NOW, THEREFORE, in consideration of the agreements herein contained and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto hereby agree as follows:

1. **Certain Definitions.** As used in this Agreement, the following terms shall have the meanings set forth in this Section 1. Terms used but not otherwise defined in this Agreement shall have the meanings attributed to them in the Securities Purchase Agreement. Unless otherwise defined herein or in the Securities Purchase Agreement, terms used but not otherwise defined herein that are defined in Article 8 or 9 of the UCC (such as “account,” “chattel paper,” “commercial tort claim,” “deposit account,” “document,” “equipment,” “fixtures,” “general intangibles,” “goods,” “instruments,” “inventory,” “investment property,” “letter-of-credit rights,” “proceeds” and “supporting obligations”) shall have the respective meanings given such terms in Article 8 or 9 of the UCC, as applicable.

(a) “Collateral” means the following personal property of the Debtors, whether presently owned or existing or hereafter acquired or coming into existence, wherever situated, and all additions and accessions thereto and all substitutions and replacements thereof, and all proceeds, products and accounts thereof, including, without limitation, all proceeds from the disposition, sale or transfer of the Collateral and of insurance covering the same and of any tort claims in connection therewith, and all dividends, interest, cash, notes, securities, equity interest or other property at any time and from time to time acquired, receivable or otherwise distributed in respect of, or in exchange for, any or all of the Pledged Securities (as defined below):

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(i) All goods, including, without limitation, (A) all machinery, equipment, computers, motor vehicles, trucks, tanks, boats, ships, appliances, furniture, special and general tools, fixtures, test and quality control devices and other equipment of every kind and nature and wherever situated, together with all documents of title and documents representing the same, all additions and accessions thereto, replacements therefor, all parts therefor, and all substitutes for any of the foregoing and all other items used and useful in connection with any Debtor’s businesses and all improvements thereto; and (B) all inventory;

(ii) All contract rights and other general intangibles, including, without limitation, Intellectual Property, all partnership interests, membership interests, stock or other securities, rights under any of the Organizational Documents (as defined herein), agreements related to the Pledged Securities (as defined herein), licenses, distribution and other agreements, computer software (whether “off-the-shelf,” licensed from any third party or developed by any Debtor), computer software development rights, leases, franchises, customer lists, quality control procedures, grants and rights, goodwill, trademarks, service marks, trade styles, trade names, patents, patent applications, copyrights, and income tax refunds;

(iii) All accounts, together with all instruments, all documents of title representing any of the foregoing, all rights in any merchandising, goods, raw materials, timber cut or to be cut, oil, gas, hydrocarbons, and minerals extracted or to be extracted, equipment, motor vehicles and trucks which any of the same may represent, and all right, title, security and guaranties with respect to each account, including any right of stoppage in transit;

(iv) All documents, letter-of-credit rights, instruments and chattel paper;

(v) All commercial tort claims;

(vi) All deposit accounts and all cash (whether or not deposited in such deposit accounts);

(vii) All investment property;

(viii) All supporting obligations;

(ix) All files, records, books of account, business papers, and computer programs; and

(x) the products and proceeds of all of the foregoing Collateral set forth in clauses (i)-(ix) above.

Without limiting the generality of the foregoing, the “Collateral” shall include all investment property and general intangibles respecting ownership and/or other equity interests in Guarantor, including, without limitation, the shares of capital stock and the other equity interests, including member interests in limited liability companies listed on Schedule H hereto (as the same may be modified from time to time pursuant to the terms hereof), and any other shares of capital stock and/or other equity interests of any other direct or indirect Subsidiary of any Debtor obtained in the future, and, in each case, all certificates representing such shares and/or equity interests and, in each case, all rights, options, warrants, stock, other securities and/or equity interests that may hereafter be received, receivable or distributed in respect of, or exchanged for, any of the foregoing and all rights arising under or in connection with the Pledged Securities, including, but not limited to, all dividends, interest and cash.

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Notwithstanding the foregoing, nothing herein shall be deemed to constitute an assignment of any asset which, in the event of an assignment, becomes void by operation of applicable law or the assignment of which is otherwise prohibited by applicable law (in each case to the extent that such applicable law is not overridden by Sections 9-406, 9-407 and/or 9-408 of the UCC or other similar applicable law); provided, however, that to the extent permitted by applicable law, this Agreement shall create a valid security interest in such asset and, to the extent permitted by applicable law, this Agreement shall create a valid security interest in the proceeds of such asset.

For the purposes of clarity, the security interest created by this Agreement will be subordinate to any current security interest on the Company's assets until such time as the first position interest is removed at such point this will become a first position interest.

Notwithstanding anything to the contrary above, the security interest created by this Agreement shall not extend to, and the term "Collateral" shall not include, (a) any permit, license, right, contract, agreement, instrument, undertaking or other arrangement to which any Debtor is a party, in each case, only to the extent and for so long as the terms of such permit, license, right, contract, instrument, undertaking, agreement or arrangement or any requirement of law applicable thereto, prohibit the creation by such Debtor of a security interest in such permit, license, right, permit, license, right, contract, instrument, undertaking, agreement or arrangement in favor of the Collateral Agent or any other applicable law; (b) any United States trademark or service mark application filed on the basis of any Debtor's intent-to-use such mark pursuant to Section 1(b) of the Lanham Act, 15 U.S.C. § 1051, prior to the filing and acceptance by the U.S. Patent and Trademark Office of a verified "Statement of Use" pursuant to Section 1(d) of the Lanham Act or an "Amendment to Allege Use" pursuant to Section 1(c) of the Lanham Act with respect thereto; (c) any margin stock; and (d) any asset as to which the Collateral Agent and the Company have reasonably determined that the cost, burden, difficulty or consequence of obtaining such a security interest or perfection thereof outweighs or is excessive in relation to the benefit to the Secured Parties of the security to be afforded thereby.

(b) "Excluded Subsidiary" means any Subsidiary of the Company that is formed for the sole purpose of effecting a business combination and that conducts no other business.

(c) "Intellectual Property" means the collective reference to all rights, priorities and privileges relating to intellectual property, whether arising under United States, multinational or foreign laws or otherwise, including, without limitation, (i) all copyrights arising under the laws of the United States, any other country or any political subdivision thereof, whether registered or unregistered and whether published or unpublished, all registrations and recordings thereof, and all applications in connection therewith, including, without limitation, all registrations, recordings and applications in the United States Copyright Office, (ii) all patents of the United States, any other country or any political subdivision thereof, all reissues and extensions thereof, and all applications for letters patent of the United States or any other country and all divisions, continuations and continuations-in-part thereof, (iii) all trademarks, trade names, corporate names, company names, business names, fictitious business names, trade dress, service marks, logos, domain names and other source or business identifiers, and all goodwill associated therewith, now existing or hereafter adopted or acquired, all registrations and recordings thereof, and all applications in connection therewith, whether in the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country or any political subdivision thereof, or otherwise, and all common law rights related thereto, (iv) all trade secrets arising under the laws of the United States, any other country or any political subdivision thereof, (v) all rights to obtain any reissues, renewals or extensions of the foregoing, (vi) all licenses for any of the foregoing, (vii) any items included in the definition of Intellectual Property Rights as defined in the Securities Purchase Agreement and not set forth above, and (viii) all causes of action for infringement of the foregoing. Intellectual Property shall include all the items on Schedule 1(b).

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(d) "Majority in Interest" means, at any time of determination, the Holders of not less than 50.1% (based on then-outstanding principal amounts and accrued interest of Notes at the time of such determination) of the Notes.

(e) "Necessary Endorsement" means undated stock powers endorsed in blank and other proper instruments of assignment duly executed and such other instruments or documents as the Collateral Agent (as that term is defined below) may reasonably request.

(f) "Obligations" means all of the liabilities and obligations (primary, secondary, direct, contingent, sole, joint or several) due or to become due, or that are now or may be hereafter contracted or acquired, or owing to, of any Debtor to the Secured Parties under this Agreement, the Notes, the Guaranty and any other Transaction Document, instrument, agreement or other document executed and/or delivered in connection herewith, in each case, whether now or hereafter existing, voluntary or involuntary, direct or indirect, absolute or contingent, liquidated or unliquidated, whether or not jointly owed with others, and whether or not from time to time decreased or extinguished and later increased, created or incurred, and all or any portion of such obligations or liabilities that are paid, to the extent all or any part of such payment is avoided or recovered directly or indirectly from any of the Secured Parties as a preference, fraudulent transfer or otherwise as such obligations may be amended, supplemented, converted, extended or modified from time to time. Without limiting the generality of the foregoing, the term "Obligations" shall include, without limitation: (i) principal of, and interest on the Notes and the loans extended pursuant thereto; (ii) any and all other fees, indemnities, costs, obligations and liabilities of the Debtors from time to time under or in connection with this Agreement, the Notes and any other Transaction Documents, instruments, agreements or other documents executed and/or delivered in connection herewith or therewith; and (iii) all amounts (including but not limited to post-petition interest) in respect of the foregoing that would be payable but for the fact that the obligations to pay such amounts are unenforceable or not allowable due to the existence of a bankruptcy, reorganization or similar proceeding involving any Debtor.

(g) "Organizational Documents" means with respect to any Debtor, the documents by which such Debtor was organized (such as a certificate of incorporation, certificate of limited partnership or articles of organization, and including, without limitation, any certificates of designation for preferred stock or other forms of preferred equity) and which relate to the internal governance of such Debtor (such as bylaws, a partnership agreement or an operating, limited liability or members agreement).

(h) "Pledged Securities" shall have the meaning ascribed to such term in Section 4(i).

(i) "UCC" means the Uniform Commercial Code of the State of Delaware and or any other applicable law of any state or states which has jurisdiction with respect to all, or any portion of, the Collateral or this Agreement, from time to time. It is the intent of the parties that defined terms in the UCC should be construed in their broadest sense so that the term "Collateral" will be construed in its broadest sense. Accordingly, if there are, from time to time, changes to defined terms in the UCC that broaden the definitions, they are incorporated herein and if existing definitions in the UCC are broader than the amended definitions, the existing ones shall be controlling.

2. **Grant of Security Interest in Collateral.** As an inducement for the Holders to extend the loans as evidenced by the Notes and to secure the complete and timely payment, performance and discharge in full, as the case may be, of all of the Obligations, each Debtor hereby unconditionally and irrevocably pledges, grants and hypothecates to the Collateral Agent, for the benefit of the Secured Parties, a first priority security interest in and to, a lien upon and a right of set-off against all of their respective right, title and interest of whatsoever kind and nature in and to, the Collateral (a "Security Interest" and, collectively, the "Security Interests").

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3. **Delivery of Certain Collateral.** At any time upon the request of the Collateral Agent, each Debtor shall deliver or cause to be delivered to the Collateral Agent, any and all certificates and other instruments or documents representing any of the Collateral, in each case, together with all Necessary Endorsements.

4. **Representations, Warranties, Covenants and Agreements of the Debtors.** Except as set forth under the corresponding section of the disclosure schedules delivered



to the Secured Parties and Collateral Agent concurrently herewith (the “Disclosure Schedules”), which Disclosure Schedules shall be deemed a part hereof. As of the date hereof, each Debtor represents and warrants to the Secured Parties as follows and, until the repayment in full of the Obligations (other than contingent indemnification obligations), covenants and agrees with, the Collateral Agent as follows:

(a) Each Debtor has the requisite corporate, partnership, limited liability company or other power and authority to enter into this Agreement and otherwise to carry out its obligations hereunder. The execution, delivery and performance by each Debtor of this Agreement and the filings contemplated herein have been duly authorized by all necessary action on the part of such Debtor and no further action is required by such Debtor. This Agreement, when executed and delivered, will constitute the legal, valid and binding obligation of each Debtor, enforceable against each Debtor in accordance with its terms except as such enforceability may be limited by applicable bankruptcy, insolvency, reorganization and similar laws of general application relating to or affecting the rights and remedies of creditors and by general principles of equity.

(b) The Debtors have no place of business or offices where their respective books of account and records are kept (other than temporarily at the offices of its attorneys or accountants) or places where Collateral is stored or located, except as set forth on Schedule A attached hereto. Except as specifically set forth on Schedule A, each Debtor is the record owner of the real property where such Collateral is located, and there exist no mortgages or other liens on any such real property or on the Collateral except for Permitted Liens (as defined in the Securities Purchase Agreement), all of which are identified on Schedule B hereto. Except as disclosed on Schedule A and except for Collateral to be held by the Collateral Agent, none of such Collateral is in the possession of any consignee, bailee, warehouseman, agent or processor.

(c) Except for Permitted Liens and except as set forth on Schedule B attached hereto, the Debtors are the sole owners of the Collateral (except for non-exclusive licenses granted by any Debtor in the ordinary course of business), free and clear of any liens, security interests, encumbrances, rights or claims, and are fully authorized to grant the Security Interests. Except for Permitted Liens and other items which are all as set forth on Schedule B attached hereto, there is not on file in any governmental or regulatory authority, agency or recording office an effective financing statement, security agreement, license or transfer or any notice of any of the foregoing (other than those that will be filed in favor of the Secured Parties pursuant to this Agreement) covering or affecting any of the Collateral.

(d) No written claim has been received that any Collateral or any Debtor’s use of any Collateral violates the rights of any third party. There has been no adverse decision to any Debtor’s claim of ownership rights in or exclusive rights to use the Collateral in any jurisdiction or to any Debtor’s right to keep and maintain such Collateral in full force and effect, and there is no proceeding involving said rights pending or, to the best knowledge of any Debtor, threatened before any court, judicial body, administrative or regulatory agency, arbitrator or other governmental authority.

(e) Each Debtor shall at all times maintain its books of account and records relating to the Collateral at its principal place of business and its Collateral at the locations set forth on Schedule A attached hereto and may not relocate such books of account and records or tangible Collateral (except in the ordinary course of sales or the disposition of used, obsolete, worn out or surplus property in the ordinary course of business) unless it delivers to the Secured Parties at least 15 days prior to such relocation (i) written notice of such relocation and the new location thereof (which must be within the United States) and (ii) evidence that appropriate financing statements under the UCC and other necessary documents have been filed and recorded and other steps have been taken to perfect the Security Interests to create in favor of the Secured Parties a valid, perfected and continuing perfected first priority lien in the Collateral, except as otherwise permitted hereby.

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(f) This Agreement creates in favor of the Secured Parties a valid security interest in the Collateral, subject only to Permitted Liens securing the payment and performance of the Obligations. Upon making the filings described in the immediately following paragraph, all security interests created hereunder in any Collateral that may be perfected by filing Uniform Commercial Code financing statements shall have been duly perfected. Except for the filing of the Uniform Commercial Code financing statements referred to in the immediately following paragraph, the recordation of the Intellectual Property Security Agreement (as defined below) with respect to copyrights and copyright applications in the United States Copyright Office referred to in paragraph (m), the execution and delivery of deposit account control agreements satisfying the requirements of Section 9-104(a)(2) of the UCC with respect to each deposit account of the Debtors, and the delivery of the certificates and other instruments provided in Section 3, no action is necessary to create, perfect or protect the security interests created hereunder. Without limiting the generality of the foregoing, except for the filing of said financing statements, the recordation of said Intellectual Property Security Agreement, and the execution and delivery of said deposit account control agreements, no consent of any third parties and no authorization, approval or other action by, and no notice to or filing with, any governmental authority or regulatory body is required for (i) the execution, delivery and performance of this Agreement, (ii) the creation or perfection of the Security Interests created hereunder in the Collateral or (iii) the enforcement of the rights of the Collateral Agent and the Secured Parties hereunder.

(g) Each Debtor hereby authorizes the Collateral Agent to file one or more financing statements under the UCC, with respect to the Security Interests, with the proper filing and recording agencies in any jurisdiction deemed proper by it and authorizes Collateral Agent to take any other action in Collateral Agent’s absolute discretion to effectuate, memorialize and protect Secured Parties’ interest and rights under this Agreement.

(h) Except as set forth on Schedule I hereto, the execution, delivery and performance of this Agreement by the Debtors does not (i) violate any of the provisions of any Organizational Documents of any Debtor or, to the knowledge of any Debtor, any judgment, decree, order or award of any court, governmental body or arbitrator or any applicable law, rule or regulation applicable to any Debtor or (ii) to the knowledge of each Debtor, conflict with, or constitute a default (or an event that with notice or lapse of time or both would become a default) under, or give to others any rights of termination, amendment, acceleration or cancellation (with or without notice, lapse of time or both) of, any agreement, credit facility, debt or other instrument (evidencing any Debtor’s debt or otherwise) or other understanding to which such Debtor is a party or by which any property or asset of any Debtor is bound or affected. If any, all required consents (including, without limitation, from stockholders or creditors of any Debtor) necessary for any Debtor to enter into and perform its obligations hereunder have been obtained.

(i) The capital stock and other equity interests listed on Schedule I hereto (the “Pledged Securities”) represent all of the capital stock and other equity interests of the Guarantor, and other Subsidiaries, if any, and represent all capital stock and other equity interests owned, directly or indirectly, by the Company. All of the Pledged Securities, if applicable, are validly issued, fully paid and nonassessable, and the Company is the legal and beneficial owner of the Pledged Securities, free and clear of any lien, security interest or other encumbrance except for the security interests created by this Agreement and other Permitted Liens.

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(j) The ownership and other equity interests in partnerships and limited liability companies (if any) included in the Collateral (the “Pledged Interests”) by their express terms do not provide that they are securities governed by Article 8 of the UCC and are not held in a securities account or by any financial intermediary.

(k) Except for Permitted Liens, each Debtor shall at all times maintain the liens and Security Interests provided for hereunder as valid and perfected first priority liens and security interests in the Collateral in favor of the Secured Parties until this Agreement and the Security Interest hereunder shall be terminated pursuant to Section 14 hereof. Each Debtor hereby agrees to defend the same against the claims of any and all persons and entities. Each Debtor shall safeguard and protect all Collateral for the account of the Secured Parties. Upon request of the Collateral Agent, each Debtor will sign and deliver to the Collateral Agent on behalf of the Secured Parties at any time or from time to time one or more financing statements pursuant to the UCC in form reasonably satisfactory to the Collateral Agent and will pay the cost of filing the same in all public offices wherever filing is, or is deemed by the Collateral Agent to be, necessary or desirable to effect the rights and obligations provided for herein. Without limiting the generality of the foregoing, each Debtor shall pay all fees, taxes and other amounts necessary to maintain the Collateral and the Security Interest hereunder, and each Debtor

shall obtain and furnish to the Collateral Agent from time to time, upon demand, such releases and/or subordinations of claims and liens (other than Permitted Liens) that may be required to maintain the priority of the Security Interest hereunder.

(l) Other than with respect to Permitted Liens and except as detailed in **Schedule 4(l)** hereto, no Debtor will transfer, pledge, hypothecate, encumber, license, sell or otherwise dispose of any of the Collateral (except for non-exclusive licenses granted by a Debtor in its ordinary course of business, sales of inventory or other property by a Debtor in its ordinary course of business and disposition of obsolete equipment and other property) without the prior written consent of the Collateral Agent. The foregoing notwithstanding, Debtor may replace noncash components of the Collateral with a cash or Cash Equivalent deposit made at an institution subject to a cash account control agreement acceptable to the Secured Parties, provided the amount of cash deposited subject to such agreement is not less than the highest amount of the Obligations that may be outstanding pursuant to the Transaction Documents. Cash Equivalent shall mean U.S. government Treasury bills, bank certificates of deposit, bankers' acceptances, corporate commercial paper and other money market instruments.

(m) Each Debtor shall keep and preserve its equipment, inventory and other tangible Collateral in good condition, repair and order (except for any of the foregoing disposed of in the ordinary course of such Debtor's business) and shall not operate or locate any such Collateral (or cause to be operated or located) in any area excluded from insurance coverage.

(n) Each Debtor shall maintain with financially sound and reputable insurers, insurance with respect to the Collateral, including Collateral hereafter acquired, against loss or damage of the kinds and in the amounts customarily insured against by entities of established reputation having similar properties similarly situated and in such amounts as are customarily carried under similar circumstances by other such entities and otherwise as is prudent for entities engaged in similar businesses but in any event sufficient to cover the full replacement cost thereof. Each Debtor shall cause each insurance policy issued in connection herewith to provide, and the insurer issuing such policy to certify to the Collateral Agent, that if such insurance is proposed to be cancelled or materially changed for any reason whatsoever, such insurer or the Company will promptly notify the Collateral Agent.

(o) Each Debtor shall, within ten (10) days of obtaining knowledge thereof, advise Collateral Agent promptly, in sufficient detail, of any material adverse change in the Collateral, and of the occurrence of any event which would have a material adverse effect on the value of the Collateral or on the Secured Parties' security interest.

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(p) Each Debtor shall promptly execute and deliver to the Collateral Agent such further deeds, mortgages, assignments, security agreements, financing statements or other instruments, documents, certificates and assurances and take such further action as the Collateral Agent may from time to time reasonably request and may in its sole discretion deem reasonably necessary to perfect, protect or enforce the Secured Parties' security interest in the Collateral including, without limitation, if applicable, the execution and delivery of a separate security agreement with respect to each Debtor's Intellectual Property ("Intellectual Property Security Agreement") in which the Secured Parties have been granted a security interest hereunder, all substantially in customary forms reasonably acceptable to the Collateral Agent, which Intellectual Property Security Agreement, and other such documents and agreements other than as stated therein, shall be subject to all of the terms and conditions hereof.

(q) Subject to being supervised by such Debtor's personnel and subject to not interfering with such Debtor's business and signing a non-disclosure agreement in the customary form, each Debtor shall permit the Collateral Agent and its representatives and agents to inspect the Collateral during normal business hours and upon reasonable prior notice, and to make copies of records pertaining to the Collateral as may be reasonably requested by the Collateral Agent from time to time.

(r) Each Debtor shall take commercially reasonable steps necessary to diligently pursue and seek to preserve, enforce and collect any rights, claims, causes of action and accounts receivable in respect of the Collateral.

(s) Each Debtor shall promptly notify the Secured Parties in sufficient detail upon becoming aware of any attachment, garnishment, execution or other legal process levied against any Collateral and of any other information received by such Debtor that may materially affect the value of the Collateral, the Security Interest or the rights and remedies of the Secured Parties hereunder.

(t) All information herein supplied to the Secured Parties by or on behalf of any Debtor with respect to the Collateral is accurate and complete in all material respects as of the date furnished and in light of the circumstances under which such statements were made (it being recognized that any projections and forecasts provided by any Debtor in good faith and based upon reasonable assumptions at the time made are not viewed as facts and that actual results during the period or periods covered by such projections and forecasts may materially differ from the projected or forecasted results).

(u) Each Debtor shall at all times preserve and keep in full force and effect its existence and good standing and any rights and franchises material to its business.

(v) No Debtor will change its name, type of organization, jurisdiction of organization, organizational identification number (if it has one), legal or corporate structure, or add any new fictitious name unless it provides at least 15 days prior written notice to the Collateral Agent of such change and, at the time of such written notification, such Debtor provides any financing statements or fixture filings necessary to perfect and continue the perfection of the Security Interests granted and evidenced by this Agreement.

(w) Except in the ordinary course of business, no Debtor may consign any of its inventory or sell any of its inventory on bill and hold, sale or return, sale on approval, or other conditional terms of sale without the consent of the Collateral Agent which shall not be unreasonably withheld.

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(x) No Debtor may relocate its chief executive office to a new location without providing 30 days prior written notification thereof to the Secured Parties and provided that at the time of such written notification, such Debtor provides any financing statements necessary to perfect and continue the perfection of the Security Interests granted and evidenced by this Agreement.

(y) Each Debtor was organized and remains organized solely under the laws of the state set forth next to such Debtor's name in **Schedule D** attached hereto, which **Schedule D** sets forth each Debtor's organizational identification number or, if any Debtor does not have one, states that one does not exist.

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(i) The actual name of each Debtor is the name set forth in **Schedule D** attached hereto;

(ii) no Debtor has any trade names except as set forth on **Schedule E** attached hereto;

(iii) no Debtor has used any name other than that stated in the preamble hereto or as set forth on **Schedule E** for the preceding five years; and

(iv) no entity has merged into any Debtor or been acquired by any Debtor within the past five years except as set forth on Schedule E.

(aa) At any time that any Collateral consists of instruments, certificated securities or other items that require or permit possession by a secured party to perfect the security interest created hereby, the applicable Debtor shall deliver such Collateral to the Collateral Agent.

(bb) During the continuance of an Event of Default, each Debtor, in its capacity as issuer, hereby agrees to comply with any and all reasonable orders and instructions of Collateral Agent regarding the Pledged Securities consistent with the terms of this Agreement without the further consent of any Debtor as contemplated by Section 8-106 (or any successor section) of the UCC. Further, each Debtor agrees, solely with respect to the Pledged Securities, that it shall not enter into a similar agreement (or one that would confer “control” within the meaning of Article 8 of the UCC) with any other person or entity.

(cc) Upon the occurrence and during the continuance of an Event of Default, each Debtor shall cause all tangible chattel paper constituting Collateral to be delivered to the Collateral Agent or, if such delivery is not possible, then to cause such tangible chattel paper to contain a legend noting that it is subject to the security interest created by this Agreement. To the extent that any Collateral consists of electronic chattel paper, the applicable Debtor shall cause the underlying chattel paper to be “marked” within the meaning of Section 9-105 of the UCC (or successor section thereto).

(dd) If there is any investment property or deposit account included as Collateral that can be perfected by “control” through an account control agreement, the applicable Debtor shall at the request of the Collateral Agent cause such an account control agreement, in form and substance in each case reasonably satisfactory to the Collateral Agent, to be entered into and delivered to the Collateral Agent for the benefit of the Secured Parties.

(ee) To the extent that any Collateral consists of letter-of-credit rights, the applicable Debtor shall cause the issuer of each underlying letter of credit to consent to an assignment of the proceeds thereof to the Secured Parties.

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(ff) To the extent that any Collateral is in the possession of any third party, the applicable Debtor shall join with the Collateral Agent in notifying such third party of the Secured Parties’ security interest in such Collateral and shall use commercially reasonable efforts to obtain an acknowledgement and agreement from such third party with respect to the Collateral, in form and substance reasonably satisfactory to the Collateral Agent.

(gg) If any Debtor shall at any time hold or acquire a commercial tort claim, such Debtor shall promptly notify the Secured Parties in a writing signed by such Debtor of the particulars thereof and grant to the Secured Parties in such writing a security interest therein and in the proceeds thereof, all upon the terms of this Agreement, with such writing to be in form and substance satisfactory to the Collateral Agent.

(hh) Each Debtor shall promptly provide written notice to the Collateral Agent of any and all accounts which arise out of contracts with any governmental authority and, to the extent necessary to perfect or continue the perfected status of the Security Interests in such accounts and proceeds thereof, shall execute and deliver to the Collateral Agent an assignment of claims for such accounts and cooperate with the Collateral Agent in taking any other steps required, in its judgment, under the Federal Assignment of Claims Act or any similar federal, state or local statute or rule to perfect or continue the perfected status of the Security Interests in such accounts and proceeds thereof.

(ii) The Company shall cause each Subsidiary of the Company (other than any Excluded Subsidiary) to promptly become a party hereto (an “Additional Debtor”), by executing and delivering an Additional Debtor Joinder substantially in the form of Annex A attached hereto and comply with the provisions hereof applicable to the Debtors. Concurrent therewith, the Additional Debtor shall deliver replacement schedules for, or supplements to all other Disclosure Schedules to (or referred to in) this Agreement, as applicable, which replacement schedules shall supersede, or supplements shall modify, the Schedules then in effect. The Additional Debtor shall also deliver such opinions of counsel, authorizing resolutions, good standing certificates, incumbency certificates, organizational documents, financing statements and other information and documentation as the Collateral Agent may reasonably request. Upon delivery of the foregoing to the Collateral Agent, the Additional Debtor shall be and become a party to this Agreement with the same rights and obligations as the Debtors, for all purposes hereof as fully and to the same extent as if it were an original signatory hereto and shall be deemed to have made the representations, warranties and covenants set forth herein as of the date of execution and delivery of such Additional Debtor Joinder (other than representations and warranties that specifically refer to an earlier date), and all references herein to the “Debtors” shall be deemed to include each Additional Debtor.

(jj) Each Debtor shall vote the Pledged Securities to comply with the covenants and agreements set forth herein and in the Notes.

(kk) Each Debtor shall register the pledge of the applicable Pledged Securities on the books of such Debtor. Each Debtor shall notify each issuer of Pledged Securities to register the pledge of the applicable Pledged Securities in the name of the Collateral Agent on the books of such issuer. Further, except with respect to certificated securities delivered to the Collateral Agent, the applicable Debtor shall deliver to Collateral Agent an acknowledgement of pledge (which, where appropriate, shall comply with the requirements of the relevant UCC with respect to perfection by registration) signed by the issuer of the applicable Pledged Securities, which acknowledgement shall confirm that: (a) it has registered the pledge on its books and records; and (b) at any time directed by Collateral Agent during the continuation of an Event of Default, such issuer will transfer the record ownership of such Pledged Securities into the name of any designee of the Collateral Agent, will take such steps as may be necessary to effect the transfer, and will comply with all other instructions of the Collateral Agent regarding such Pledged Securities without the further consent of the applicable Debtor.

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(ll) In the event that, upon an occurrence and during the continuance of an Event of Default, Collateral Agent shall sell all or any of the Pledged Securities to another party or parties (herein called the “Transferee”) or shall purchase or retain all or any of the Pledged Securities, each Debtor shall, to the extent applicable: (i) deliver to Collateral Agent or the Transferee, as the case may be, the articles of incorporation, bylaws, minute books, stock certificate books, corporate seals, deeds, leases, indentures, agreements, evidences of indebtedness, books of account, financial records and all other Organizational Documents and records of the Debtors and their direct and indirect Subsidiaries; and (ii) use its commercially reasonable efforts to obtain resignations of the persons then serving as officers and directors of the Debtors and their direct and indirect subsidiaries, if so requested; and (iii) use its commercially reasonable efforts to obtain any approvals that are required by any governmental or regulatory body in order to permit the sale of the Pledged Securities to the Transferee or the purchase or retention of the Pledged Securities by Collateral Agent and allow the Transferee or Collateral Agent to continue the business of the Debtors and their direct and indirect Subsidiaries.

(mm) Without limiting the generality of the other obligations of the Debtors hereunder, each Debtor shall authorize the Collateral Agent to (i) cause to be registered at the United States Copyright Office all of the material copyrights of the Debtors, and (ii) cause the security interest contemplated hereby with respect to all Intellectual Property registered at the United States Copyright Office or United States Patent and Trademark Office to be duly recorded at the applicable office. The Debtors shall give the Collateral Agent notice whenever it acquires (whether absolutely or by license) or creates any additional material Intellectual Property.

(nn) Each Debtor will from time to time, at the joint and several expense of the Debtors, promptly execute and deliver all such further instruments and documents, and take all such further action as may be reasonably necessary or desirable, or as the Collateral Agent may reasonably request, in order to perfect and protect any security interest granted or purported to be granted hereby or to enable the Collateral Agent to exercise and enforce Collateral Agent’s rights and remedies hereunder and with

respect to any Collateral or to otherwise carry out the purposes of this Agreement.

(oo) Schedule F attached hereto lists all of the patents, patent applications, trademarks, trademark applications, registered copyrights, and domain names owned by any of the Debtors as of the date hereof. Schedule F lists all material licenses in favor of any Debtor for the use of any patents, trademarks, copyrights and domain names as of the date hereof. All material patents and trademarks of the Debtors have been duly recorded at the United States Patent and Trademark Office and all material copyrights of the Debtors have been duly recorded at the United States Copyright Office.

(pp) Except as set forth on Schedule G attached hereto, none of the account debtors or other persons or entities obligated on any of the Collateral is a governmental authority covered by the Federal Assignment of Claims Act or any similar federal, state or local statute or rule in respect of such Collateral.

5. **Effect of Pledge on Certain Rights.** If any of the Collateral subject to this Agreement consists of nonvoting equity or ownership interests (regardless of class, designation, preference or rights) that may be converted into voting equity or ownership interests upon the occurrence of certain events (including, without limitation, upon the transfer of all or any of the other stock or assets of the issuer), it is agreed that the pledge of such equity or ownership interests pursuant to this Agreement or the enforcement of any of Collateral Agent's rights hereunder shall not be deemed to be the type of event which would trigger such conversion rights notwithstanding any provisions in the Organizational Documents or agreements to which any Debtor is subject or to which any Debtor is party.

6. **Defaults.** The following events shall be "Events of Default":

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(a) The occurrence of an Event of Default (as defined in the Notes) under the Notes;

(b) Any representation or warranty of any Debtor in this Agreement shall prove to have been incorrect in any material respect when made (it being agreed and acknowledged that the projections and forecasts provided by any Debtor in good faith and based upon reasonable assumptions are not viewed as facts and that actual results during the period or periods covered by such projections and forecasts may differ from the projected or forecasted results and such differences may be material);

(c) The failure by any Debtor to observe or perform any of its obligations hereunder for ten (10) Business Days after delivery to such Debtor of written notice of such failure by or on behalf of a Secured Party or fifteen (15) Business Days after Debtor otherwise becomes aware of such non-observance or non-performance; or

(d) If any material provision of this Agreement shall at any time for any reason be declared to be null and void, or the validity or enforceability thereof shall be contested by any Debtor, or a proceeding shall be commenced by any Debtor, or by any governmental authority having jurisdiction over any Debtor, seeking to establish the invalidity or unenforceability thereof, or any Debtor shall deny that any Debtor has any liability or obligation purported to be created under this Agreement.

7. **Duty to Hold In Trust**

(a) During the continuance of an uncured Event of Default, each Debtor shall, upon receipt of any revenue, income, dividend, interest or other sums subject to the Security Interests, whether payable pursuant to the Notes or otherwise, or of any check, draft, note, trade acceptance or other instrument evidencing an obligation to pay any such sum, hold the same in trust for the Secured Parties and shall forthwith endorse and transfer any such sums or instruments, or both, to the Collateral Agent for distribution to the Secured Parties, pro-rata in proportion to their respective then-currently outstanding principal amount of Notes for application to the satisfaction of the Obligations (and if any Note is not outstanding, pro-rata in proportion to the initial purchases of the remaining Notes).

(b) If any Debtor shall become entitled to receive or shall receive any securities or other property (including, without limitation, shares of Pledged Securities or instruments representing Pledged Securities acquired after the date hereof, or any options, warrants, rights or other similar property or certificates representing a dividend, or any distribution in connection with any recapitalization, reclassification or increase or reduction of capital, or issued in connection with any reorganization of such Debtor or any of its direct or indirect Subsidiaries) in respect of the Pledged Securities (whether as an addition to, in substitution of, or in exchange for, such Pledged Securities or otherwise), such Debtor agrees to (i) hold the same in trust on behalf of and for the benefit of the Secured Parties; and (ii) to deliver any and all certificates or instruments evidencing the same to Collateral Agent on or before the close of business on the fifth Business Day following the receipt thereof by such Debtor, in the exact form received together with the Necessary Endorsements, to be held by Collateral Agent subject to the terms of this Agreement as Collateral.

8. **Rights and Remedies Upon Default**

(a) After the occurrence and during the continuance of any Event of Default, the Collateral Agent shall have all the rights and remedies of a secured party under the UCC and the right to exercise all of the remedies conferred hereunder and under the Notes, including the following rights and powers:

(i) The Collateral Agent shall have the right to take possession of the Collateral and, for that purpose, enter, with the aid and assistance of any person, any premises where the Collateral, or any part thereof, is or may be placed and remove the same, so long as the same can be accomplished without breach of the peace and otherwise in compliance with applicable law, and each Debtor shall assemble the Collateral and make it available to the Collateral Agent at places which the Collateral Agent shall reasonably select, whether at such Debtor's premises or elsewhere, and make available to the Collateral Agent, without rent, all of such Debtor's respective premises and facilities for the purpose of the Collateral Agent taking possession of, removing or putting the Collateral in saleable or disposable form.

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(ii) Upon notice to the Debtors by Collateral Agent, all rights of each Debtor to exercise the voting and other consensual rights which it would otherwise be entitled to exercise and all rights of each Debtor to receive the dividends and interest which it would otherwise be authorized to receive and retain, shall cease. Upon such notice, Collateral Agent shall have the right to receive, for the benefit of the Secured Parties, any interest, cash dividends or other payments on the Collateral and, at the option of Collateral Agent, to exercise in such Collateral Agent's discretion all voting rights pertaining thereto. Without limiting the generality of the foregoing, Collateral Agent shall have the right (but not the obligation) to exercise all rights with respect to the Collateral as if it were the sole and absolute owner thereof, including, without limitation, to vote and/or to exchange, at its sole discretion, any or all of the Collateral in connection with a merger, reorganization, consolidation, recapitalization or other readjustment concerning or involving the Collateral or any Debtor or any of its direct or indirect Subsidiaries.

(iii) The Collateral Agent shall have the right to seek an Order from a court appointing a Trustee to operate the business of each Debtor using the Collateral and shall have the right to assign, sell, lease or otherwise dispose of and deliver all or any part of the Collateral, at public or private sale or otherwise, either with or without special conditions or stipulations, for cash or on credit or for future delivery, in such parcel or parcels and at such time or times and at such place or places, and upon such terms and conditions as are commercially reasonable. Upon each such sale, lease, assignment or other transfer or disposition of Collateral, the Collateral Agent, for the benefit of the Secured Parties, may, unless prohibited by applicable law which cannot be waived, purchase all or any part of the Collateral being sold, free from and discharged of all trusts, claims, right of redemption and equities of any Debtor, which are hereby waived and released.

(iv) The Collateral Agent shall have the right (but not the obligation) to notify any account debtors and any obligors under instruments or accounts to make payments directly to the Collateral Agent, on behalf of the Secured Parties, and to enforce the Debtors' rights against such account debtors and obligors.

(v) The Collateral Agent, for the benefit of the Secured Parties, may (but is not obligated to) direct any financial intermediary or any other person or entity holding any investment property to transfer the same to the Collateral Agent, on behalf of the Secured Parties, or its designee.

(vi) The Collateral Agent may (but is not obligated to) transfer any or all Intellectual Property registered in the name of any Debtor at the United States Patent and Trademark Office and/or Copyright Office into the name of the Collateral Agent or any purchaser of any Collateral.

(b) The Collateral Agent shall comply with any applicable law in connection with a disposition of Collateral and such compliance will not be considered adversely to affect the commercial reasonableness of any sale of the Collateral. The Collateral Agent may sell the Collateral without giving any warranties and may specifically disclaim such warranties. If the Collateral Agent sells any of the Collateral on credit, the Debtors will only be credited with payments actually made by the purchaser. In addition, each Debtor waives any and all rights that it may have to a judicial hearing in advance of the enforcement of any of the Collateral Agent's rights and remedies hereunder, including, without limitation, its right following an Event of Default to take immediate possession of the Collateral and to exercise its rights and remedies with respect thereto.

(c) If any notice to Debtor of the sale or other disposition of Collateral is required by then applicable law, ten (10) business days prior written notice (which Debtor agrees is reasonable notice within the meaning of Section 9.612(a) of the Uniform Commercial Code) shall be given to Debtor of the time and place of any sale of Collateral. The rights granted in this Section are in addition to any and all rights available to Collateral Agent under the Uniform Commercial Code.

(d) For the purpose of enabling the Collateral Agent to further exercise rights and remedies under Section 8(a), or elsewhere provided by agreement or applicable law, each Debtor hereby grants to the Collateral Agent for the benefit of the Collateral Agent and the Secured Parties, an irrevocable, nonexclusive license (exercisable without payment of royalty or other compensation to such Debtor) to use, license or sublicense during the continuance of an uncured Event of Default, any Intellectual Property now owned or hereafter acquired by such Debtor, and wherever the same may be located, and including in such license access to all media in which any of the licensed items may be recorded or stored and to all computer software and programs used for the compilation or printout thereof.

9. **Applications of Proceeds.** The proceeds of any such sale, lease or other disposition of the Collateral hereunder or from payments made on account of any insurance policy insuring any portion of the Collateral shall be applied first, to the expenses of retaking, holding, storing, processing and preparing for sale, selling, and the like (including, without limitation, any taxes, fees and other costs incurred in connection therewith) of the Collateral, if any, to the reasonable attorneys' fees and expenses incurred by the Collateral Agent in enforcing the Secured Parties' rights hereunder and in connection with collecting, storing and disposing of the Collateral, and then to satisfaction of the Obligations pro rata among the Secured Parties (based on then-outstanding principal amounts of Notes at the time of any such determination), and then to the payment of any other amounts required by applicable law, after which the Secured Parties shall pay to the applicable Debtor any surplus proceeds. If, upon the sale, license or other disposition of the Collateral, the proceeds thereof are insufficient to pay all amounts to which the Secured Parties are legally entitled, the Debtors will be liable for the deficiency and the reasonable fees of any attorneys employed by the Secured Parties to collect such deficiency. To the extent permitted by applicable law, each Debtor waives all claims, damages and demands against the Secured Parties arising out of the repossession, removal, retention or sale of the Collateral, unless due solely to the gross negligence or willful misconduct of the Secured Parties as determined by a final judgment (not subject to further appeal) of a court of competent jurisdiction.

10. **Securities Law Provision.** Each Debtor recognizes that Collateral Agent may be limited in its ability to effect a sale to the public of all or part of the Pledged Securities by reason of certain prohibitions in the Securities Act of 1933, as amended, or other federal or state securities laws (collectively, the "Securities Laws"), and may reasonably be obliged to resort to one or more sales to a restricted group of purchasers who may be required to agree to acquire the Pledged Securities for their own account, for investment and not with a view to the distribution or resale thereof. Each Debtor agrees that sales so made may be at prices and on terms less favorable than if the Pledged Securities were sold to the public, and that Collateral Agent has no obligation to delay the sale of any Pledged Securities for the period of time necessary to register the Pledged Securities for sale to the public under the Securities Laws. Each Debtor shall cooperate with Collateral Agent in its attempt to satisfy any requirements under the Securities Laws (including, without limitation, registration thereunder if requested by Collateral Agent) applicable to the sale of the Pledged Securities by Collateral Agent.

11. **Costs and Expenses.** Each Debtor agrees to pay all reasonable out-of-pocket fees, costs and expenses incurred in connection with any filing required hereunder, including without limitation, any financing statements pursuant to the UCC, continuation statements, partial releases and/or termination statements related thereto or any expenses of any searches reasonably required by the Collateral Agent. The Debtors shall also pay all other claims and charges which in the reasonable opinion of the Collateral Agent is reasonably likely to prejudice, imperil or otherwise affect the Collateral or the Security Interests therein. The Debtors will also, upon demand, pay to the Collateral Agent the amount of any and all reasonable expenses which the Collateral Agent, for the benefit of the Secured Parties, may incur in connection with (i) the enforcement of this Agreement, (ii) the custody or preservation of, or the sale of, collection from, or other realization upon, any of the Collateral, or (iii) the exercise or enforcement of any of the rights of the Secured Parties under the Notes, including the reasonable fees and expenses of its counsel and of any experts and agents. Until so paid, any fees payable hereunder shall be added to the principal amount of the Notes and shall bear interest at the then in effect interest rate in the Notes.

12. **Responsibility for Collateral.** The Debtors assume all liabilities and responsibility in connection with all Collateral, and the Obligations shall in no way be affected or diminished by reason of the loss, destruction, damage or theft of any of the Collateral or its unavailability for any reason. Without limiting the generality of the foregoing, (a) except for acting in a commercially reasonable manner in all events, neither the Collateral Agent nor any Secured Party (i) has any duty (either before or after an Event of Default) to collect any amounts in respect of the Collateral or to preserve any rights relating to the Collateral, or (ii) has any obligation to clean-up or otherwise prepare the Collateral for sale, and (b) each Debtor shall remain obligated and liable under each contract or agreement included in the Collateral to be observed or performed by such Debtor thereunder. Neither the Collateral Agent nor any Secured Party shall have any obligation or liability under any such contract or agreement by reason of or arising out of this Agreement or the receipt by the Collateral Agent or any Secured Party of any payment relating to any of the Collateral, nor shall the Collateral Agent or any Secured Party be obligated in any manner to perform any of the obligations of any Debtor under or pursuant to any such contract or agreement, to make inquiry as to the nature or sufficiency of any payment received by the Collateral Agent or any Secured Party in respect of the Collateral or as to the sufficiency of any performance by any party under any such contract or agreement, to present or file any claim, to take any action to enforce any performance or to collect the payment of any amounts which may have been assigned to the Collateral Agent or to which the Collateral Agent or any Secured Party may be entitled at any time or times.

13. **Security Interests Absolute.** Subject to the terms and conditions of this Agreement and the other Transaction Documents, all rights of the Secured Parties and all obligations of the Debtors hereunder, shall be absolute and unconditional, irrespective of: (a) any lack of validity or enforceability of this Agreement, the Notes or any agreement entered into in connection with the foregoing, or any portion hereof or thereof; (b) any change in the time, manner or place of payment or performance of, or in any other term of, all or any of the Obligations, or any other amendment or waiver of or any consent to any departure from the Notes or any other agreement entered into in connection with the foregoing; (c) any exchange, release or non-perfection of any of the Collateral, or any release or amendment or waiver of or consent to departure from any other collateral for, or any guarantee, or any other security, for all or any of the Obligations; (d) any action by the Secured Parties to obtain, adjust, settle and cancel in its sole discretion any insurance claims or matters made or arising in connection with the Collateral; or (e) any other circumstance which might otherwise constitute any legal or

equitable defense available to a Debtor, or a discharge of all or any part of the Security Interests granted hereby. Until the Obligations shall have been paid and performed in full, the rights of the Secured Parties shall continue even if the Obligations are barred for any reason, including, without limitation, the running of the statute of limitations or bankruptcy. Each Debtor expressly waives presentment, protest, notice of protest, demand, notice of nonpayment and demand for performance. In the event that at any time any transfer of any Collateral or any payment received by the Secured Parties hereunder shall be deemed by final order of a court of competent jurisdiction to have been a voidable preference or fraudulent conveyance under the bankruptcy or insolvency laws of the United States, or shall be deemed to be otherwise due to any party other than the Secured Parties, then, in any such event, each Debtor's obligations hereunder shall survive cancellation of this Agreement, and shall not be discharged or satisfied by any prior payment thereof and/or cancellation of this Agreement, but shall remain a valid and binding obligation enforceable in accordance with the terms and provisions hereof. Each Debtor waives all right to require the Secured Parties to proceed against any other person or entity or to apply any Collateral which the Secured Parties may hold at any time, or to marshal assets, or to pursue any other remedy. Each Debtor waives any defense arising by reason of the application of the statute of limitations to any Obligations secured hereby.

14. **Term of Agreement.** This Agreement and the Security Interest shall terminate on the date on which all payments under the Notes have been paid in full and all other Obligations (other than contingent indemnification obligations) have been paid or discharged; provided, however, that all indemnities of the Debtors contained in this Agreement (including, without limitation, Annex B hereto) shall survive and remain operative and in full force and effect regardless of the termination of this Agreement.

15. **Power of Attorney; Further Assurances.**

(a) Each Debtor authorizes the Collateral Agent, and does hereby make, constitute and appoint the Collateral Agent and its officers, agents, successors or assigns with full power of substitution, as such Debtor's true and lawful attorney-in-fact, with power, in the name of the Collateral Agent or such Debtor, after the occurrence and during the continuance of an uncured Event of Default, (i) to endorse any note, checks, drafts, money orders or other instruments of payment (including, without limitation, payments payable under or in respect of any policy of insurance) in respect of the Collateral that may come into possession of the Collateral Agent; (ii) to sign and endorse any financing statement pursuant to the UCC or any invoice, freight or express bill, bill of lading, storage or warehouse receipts, drafts against debtors, assignments, verifications and notices in connection with accounts, and other documents relating to the Collateral; (iii) to pay or discharge taxes, liens, security interests or other encumbrances at any time levied or placed on or threatened against the Collateral; (iv) to demand, collect, receipt for, compromise, settle and sue for monies due in respect of the Collateral; (v) to transfer any Intellectual Property or provide licenses respecting any Intellectual Property; and (vi) generally, at the option of the Collateral Agent, and at the reasonable expense of the Debtors, at any time, or from time to time, to execute and deliver any and all documents and instruments and to do all acts and things which the Collateral Agent reasonably deems necessary to protect, preserve and realize upon the Collateral and the Security Interests granted therein in order to effect the intent of this Agreement and the Notes all as fully and effectually as the Debtors might or could do; and each Debtor hereby ratifies all that said attorney shall lawfully do or cause to be done by virtue hereof so long as such actions are in compliance with applicable law and in accordance with the terms and conditions of this Agreement and the other Transaction Documents. This power of attorney is coupled with an interest and shall be irrevocable for the term of this Agreement and thereafter as long as any of the Obligations shall be outstanding. Without limiting the generality of the foregoing, after the occurrence and during the continuance of an uncured Event of Default, each Secured Party is specifically authorized to execute and file any applications for or instruments of transfer and assignment of any patents, trademarks, copyrights or other Intellectual Property with the United States Patent and Trademark Office and the United States Copyright Office.

(b) On a continuing basis, each Debtor will make, execute, acknowledge, deliver, file and record, as the case may be, with the proper filing and recording agencies in any jurisdiction, including, without limitation, the jurisdictions indicated on Schedule C attached hereto, all such instruments, and take all such action as may be reasonably requested by the Collateral Agent, to perfect the Security Interest granted hereunder and otherwise to carry out the intent and purposes of this Agreement, or for assuring and confirming to the Collateral Agent the grant or perfection of a perfected security interest in all the Collateral under the UCC.

(c) Each Debtor hereby irrevocably appoints the Collateral Agent as such Debtor's attorney-in-fact, with full authority in the place and instead of such Debtor and in the name of such Debtor, from time to time in the Collateral Agent's discretion, to take any action permitted under this Agreement and to execute any instrument which the Collateral Agent may reasonably deem necessary or advisable to accomplish the purposes of this Agreement, including the filing, in its reasonable discretion, of one or more financing or continuation statements and amendments thereto, relative to any of the Collateral without the signature of such Debtor where permitted by law, which financing statements may (but need not) describe the Collateral as "all assets" or "all personal property" or words of like import, and ratifies all such actions taken by the Collateral Agent. This power of attorney is coupled with an interest and shall be irrevocable for the term of this Agreement and thereafter as long as any of the Obligations shall be outstanding.

16. **Notices.** All notices, demands, requests, consents, approvals, and other communications required or permitted hereunder shall be in writing and, unless otherwise specified herein, shall be (a) personally served, (b) deposited in the mail, registered or certified, return receipt requested, postage prepaid, (c) delivered by a reputable overnight courier service with charges prepaid, or (d) transmitted by hand delivery, telegram, or facsimile, addressed as set forth below or to such other address as such party shall have specified most recently by written notice. Any notice or other communication required or permitted to be given hereunder shall be deemed effective (i) upon hand delivery or delivery by facsimile, with accurate confirmation generated by the transmitting facsimile machine, at the address or number designated below (if delivered on a Business Day during normal business hours), or the first Business Day following such delivery (if delivered other than on a Business Day during normal business hours), (ii) on the first Business Day following the date deposited with an overnight courier service with charges prepaid, or (iii) on the fifth Business Day following the date of mailing pursuant to subpart (b) above, or upon actual receipt of such mailing, whichever shall first occur. The addresses for such communications shall be:

|                                                                      |                                                                                                                                                                                 |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| To Debtors, to:                                                      | c/o Smartkem Inc.<br>Manchester Technology Center<br>Hexagon Tower, Delaunays Road<br>Blackley, Manchester, M9 8GQ<br>Attention: Barbra Keck, CFO<br>Email: b.keck@smartkem.com |
| With a copy by email only to<br>(which shall not constitute notice): | Lowenstein Sandler LLP<br>1251 Avenue of the Americas<br>New York, NY 10020<br>Attn: John D. Hogoboom, Esq.<br>Email: jhogoboom@lowenstein.com                                  |
| To the Collateral Agent:                                             | The Hewlett Fund LP<br>100 Merrick Road, Suite 400W<br>Rockville Centre, NY 11570<br>Attn: Jay Spinner                                                                          |

With a copy by email only to  
(which shall not constitute notice):

Grushko & Mittman, P.C.  
1800 Rockaway Avenue, Suite 206  
Hewlett, NY 11557  
Attn: Eliezer Drew, Esq.  
Email: eli@grushkomittman.com

17. **Other Security.** To the extent that the Obligations are now or hereafter secured by property other than the Collateral or by the guarantee, endorsement or property of any other person, firm, corporation or other entity, then the Collateral Agent shall have the right, in its sole discretion, to pursue, relinquish, subordinate, modify or take any other action with respect thereto, without in any way modifying or affecting any of the Secured Parties' rights and remedies hereunder.

18. **Appointment of Collateral Agent.** The Secured Parties hereby appoint The Hewlett Fund LP to act as their agent ("Collateral Agent") for purposes of exercising any and all rights and remedies of the Secured Parties hereunder. Such appointment shall continue until revoked in writing by a Majority in Interest, at which time a Majority in Interest shall appoint a new Collateral Agent. The Collateral Agent shall have the rights, responsibilities and immunities set forth in Annex B hereto.

19. **Miscellaneous.**

(a) No course of dealing between the Debtors and the Collateral Agent, nor any failure to exercise, nor any delay in exercising, on the part of the Collateral Agent, any right, power or privilege hereunder or under the Notes shall operate as a waiver thereof; nor shall any single or partial exercise of any right, power or privilege hereunder or thereunder preclude any other or further exercise thereof or the exercise of any other right, power or privilege.

(b) All of the rights and remedies of the Collateral Agent with respect to the Collateral, whether established hereby or by the Notes or by any other agreements, instruments or documents or by law shall be cumulative and may be exercised singly or concurrently.

(c) This Agreement, together with the exhibits and schedules hereto, contain the entire understanding of the parties with respect to the subject matter hereof and supersede all prior agreements and understandings, oral or written, with respect to such matters, which the parties acknowledge have been merged into this Agreement and the exhibits and schedules hereto. No provision of this Agreement may be waived, modified, supplemented or amended except in a written instrument signed, in the case of an amendment, by the Debtors and Collateral Agent or, in the case of a waiver, by the party against whom enforcement of any such waived provision is sought.

(d) If any term, provision, covenant or restriction of this Agreement is held by a court of competent jurisdiction to be invalid, illegal, void or unenforceable, the remainder of the terms, provisions, covenants and restrictions set forth herein shall remain in full force and effect and shall in no way be affected, impaired or invalidated, and the parties hereto shall use their commercially reasonable efforts to find and employ an alternative means to achieve the same or substantially the same result as that contemplated by such term, provision, covenant or restriction. It is hereby stipulated and declared to be the intention of the parties that they would have executed the remaining terms, provisions, covenants and restrictions without including any of such that may be hereafter declared invalid, illegal, void or unenforceable.

(e) No waiver of any default with respect to any provision, condition or requirement of this Agreement shall be deemed to be a continuing waiver in the future or a waiver of any subsequent default or a waiver of any other provision, condition or requirement hereof, nor shall any delay or omission of any party to exercise any right hereunder in any manner impair the exercise of any such right.

(f) This Agreement shall be binding upon and inure to the benefit of the parties and their successors and permitted assigns. The Debtors may not assign this Agreement or any rights or obligations hereunder without the prior written consent of a Majority in Interest (other than by merger). Subject to the terms of the Securities Purchase Agreement and the Notes, any Secured Party may assign any or all of its rights under this Agreement to any Person to whom such Secured Party assigns or transfers any Obligations, provided such transferee agrees in writing to be bound, with respect to the transferred Obligations, by the provisions of this Agreement that apply to the "Secured Parties."

(g) Each party shall take such further action and execute and deliver such further documents as may be necessary or appropriate in order to carry out the provisions and purposes of this Agreement.

(h) Except as otherwise stated herein, all questions concerning the construction, validity, enforcement and interpretation of this Agreement shall be governed by and construed and enforced in accordance with the internal laws of the State of New York, without regard to the principles of conflicts of law thereof. Each Debtor agrees that all proceedings concerning the interpretations, enforcement and defense of the transactions contemplated by this Agreement and the Notes (whether brought against a party hereto or its respective affiliates, directors, officers, shareholders, partners, members, employees or agents) shall be commenced exclusively in the state and federal courts sitting in the City of New York, Borough of Manhattan. Each Debtor hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the City of New York, Borough of Manhattan for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein, and hereby irrevocably waives, and agrees not to assert in any proceeding, any claim that it is not personally subject to the jurisdiction of any such court, that such proceeding is improper. Each party hereto hereby irrevocably waives personal service of process and consents to process being served in any such proceeding by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to such party at the address in effect for notices to it under this Agreement and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any manner permitted by law. **Each party hereto hereby irrevocably waives, to the fullest extent permitted by applicable law, any and all right to trial by jury in any legal proceeding arising out of or relating to this Agreement or the transactions contemplated hereby.** If any party shall commence a proceeding to enforce any provisions of this Agreement, then the prevailing party in such proceeding shall be reimbursed by the other party for its reasonable attorney's fees and other costs and expenses incurred with the investigation, preparation and prosecution of such proceeding.

(i) This Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and, all of which taken together shall constitute one and the same Agreement. In the event that any signature is delivered by facsimile or other electronic transmission, such signature shall create a valid binding obligation of the party executing (or on whose behalf such signature is executed) the same with the same force and effect as if such signature were the original thereof.

(j) All Debtors shall jointly and severally be liable for the obligations of each Debtor to the Secured Parties hereunder.

(k) Each Debtor shall indemnify, reimburse and hold harmless the Collateral Agent and the Secured Parties and their respective partners, members, shareholders, officers, directors, employees and agents (and any other persons with other titles that have similar functions) (collectively, "Indemnitees") from and against any and all losses, claims, liabilities, damages, penalties, suits, costs and expenses, of any kind or nature (including fees relating to the cost of investigating and defending any of the foregoing) imposed on, incurred by or asserted against such Indemnatee in any way related to or arising from or alleged to arise from this Agreement or the Collateral, except any such losses, claims, liabilities, damages, penalties, suits, costs and expenses which result from the fraud, bad faith, gross negligence or willful misconduct or willful breach of this Agreement or any other Transaction Document of the Indemnatee as determined by a final, non-appealable decision of a court of competent jurisdiction. This indemnification provision is in addition to, and not in limitation of, any other indemnification provision in the Notes, the Securities Purchase Agreement (as such term is defined in the Notes) or any other agreement, instrument or other document executed or delivered in connection herewith or therewith.

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(l) Nothing in this Agreement shall be construed to subject Collateral Agent or any Secured Party to liability as a partner in any Debtor or any if its direct or indirect Subsidiaries that is a partnership or as a member in any Debtor or any of its direct or indirect Subsidiaries that is a limited liability company, nor shall Collateral Agent or any Secured Party be deemed to have assumed any obligations under any partnership agreement or limited liability company agreement, as applicable, of any such Debtor or any if its direct or indirect Subsidiaries or otherwise, unless and until any such Secured Party exercises its right to be substituted for such Debtor as a partner or member, as applicable, pursuant hereto.

(m) To the extent that the grant of the security interest in the Collateral and the enforcement of the terms hereof require the consent, approval or action of any partner or member, as applicable, of any Debtor or any direct or indirect Subsidiary of any Debtor or compliance with any provisions of any of the Organizational Documents, the Debtors hereby grant such consent and approval and waive any such noncompliance with the terms of said documents.

(n) A default or Event of Default hereunder shall not be deemed cured for purposes of this Agreement unless such default or Event of Default was subject to cure and if so, timely cured.

*[signature page to follow]*

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IN WITNESS WHEREOF, the parties hereto have caused this Security Agreement to be duly executed on the day and year first above written.

**Smartkem Inc.**

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

**COLLATERAL AGENT**

The Hewlett Fund LP

By: \_\_\_\_\_  
Name: Martin Chopp  
Title: General Partner

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**OMNIBUS SECURED PARTY SIGNATURE PAGE TO  
SMARTKEM INC.  
SECURITY AGREEMENT**

The undersigned, in its capacity as a Secured Party, hereby executes and delivers the Security Agreement to which this signature page is attached and agrees to be bound by the Security Agreement on the date set forth on the first page of the Security Agreement. This counterpart signature page, together with all counterparts of the Security Agreement and signature pages of the other parties named therein, shall constitute one and the same instrument in accordance with the terms of the Security Agreement.

Name of Secured Party: \_\_\_\_\_

Signature of Authorized Signatory of Secured Party: \_\_\_\_\_

Name of Authorized Signatory: \_\_\_\_\_

Title of Authorized Signatory: \_\_\_\_\_

Email Address of Authorized Signatory: \_\_\_\_\_

Facsimile Number of Authorized Signatory: \_\_\_\_\_

State of Incorporation of Secured Party: \_\_\_\_\_



Address for Notice to Secured Party:

Taxpayer ID# (if applicable): \_\_\_\_\_

**ANNEX A to SECURITY AGREEMENT**  
**FORM OF ADDITIONAL DEBTOR JOINDER**

Security Agreement dated as of October 31, 2025 made by  
Smartkem Inc.  
and its Subsidiaries party thereto from time to time, as Debtors  
to and in favor of  
the Secured Parties identified therein (the “Security Agreement”)

Reference is made to the Security Agreement as defined above; capitalized terms used herein and not otherwise defined herein shall have the meanings given to such terms in, or by reference in, the Security Agreement.

The undersigned hereby agrees that upon delivery of this Additional Debtor Joinder to the Secured Parties referred to above, the undersigned shall (a) be an Additional Debtor under the Security Agreement, (b) have all the rights and obligations of the Debtors under the Security Agreement as fully and to the same extent as if the undersigned was an original signatory thereto and (c) be deemed to have made the representations and warranties set forth therein as of the date of execution and delivery of this Additional Debtor Joinder (except to the extent such representation or warranty specifically refers to an earlier date). WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, THE UNDERSIGNED SPECIFICALLY GRANTS TO THE SECURED PARTIES A SECURITY INTEREST IN THE COLLATERAL AS MORE FULLY SET FORTH IN THE SECURITY AGREEMENT AND ACKNOWLEDGES AND AGREES TO THE WAIVER OF JURY TRIAL PROVISIONS SET FORTH THEREIN.

Attached hereto are supplemental and/or replacement Schedules to the Security Agreement, as applicable.

Attached hereto is an original Subsidiary Guaranty executed by the undersigned and delivered herewith.

An executed copy of this Additional Debtor Joinder shall be delivered to the Secured Parties, and the Secured Parties may rely on the matters set forth herein on or after the date hereof. This Additional Debtor Joinder shall not be modified, amended or terminated without the prior written consent of the Secured Parties.

IN WITNESS WHEREOF, the undersigned has caused this Joinder to be executed in the name and on behalf of the undersigned.

[ \_\_\_\_\_ ]

By: \_\_\_\_\_  
Name:  
Title:

**SUBSIDIARY GUARANTY**

1. Identification.

This Guaranty (the “Guaranty”), dated as of October 31, 2025, is entered into by and among Smartkem Ltd, a [\*] corporation (Guarantor”), and the holders identified on Schedule A hereto (each a “Holder” and collectively, “Holders”).

2. Recitals.

2.1 Guarantor is a direct or indirect subsidiary of Smartkem Inc., a Delaware corporation (“Parent”). The Holders have made and/or are making loans to Parent (the “Loans”). Guarantor will obtain substantial benefit from the proceeds of the Loans.

2.2 The Loans are and will be evidenced by certain Senior Secured Notes in the aggregate principal amount of up to \$1,100,000.00 (collectively, “Note” or the “Notes”) issued by Parent, as borrower, for the benefit of Holders, about or after the date of this Guaranty, pursuant to that certain Securities Purchase Agreement, dated at or about the date hereof (“Securities Purchase Agreements”), by and among the Parent and Holders.

2.3 In consideration of the Loans made and to be made by Holders to Parent and for other good and valuable consideration, and as security for the performance by Parent of its obligations under the Notes and as security for the repayment of the Loans and all other sums due from the Parent to Holders arising under the Notes (collectively, the “Obligations”), Guarantor, for good and valuable consideration, receipt of which is acknowledged, has agreed to enter into this Guaranty.

2.4 Holders have appointed [\*] as Collateral Agent pursuant to that certain Security Agreement dated at or about the date of this Agreement (“Security Agreement”), among the Parent, Guarantor, Holder and Collateral Agent.

2.5 Upper case terms employed but not defined herein shall have the meanings ascribed to them in the Transaction Documents (as defined in the Securities Purchase Agreement).

3. Guaranty.

3.1 Guaranty. Guarantor hereby unconditionally and irrevocably guarantees, jointly and severally with any other guarantor of the Obligations, the punctual payment, performance and observance when due, whether at stated maturity, by acceleration or otherwise, of all of the Obligations now or hereafter existing, whether for principal, interest (including, without limitation, all interest that accrues after the commencement of any insolvency, bankruptcy or reorganization of Parent, whether or not

constituting an allowed claim in such proceeding), fees, commissions, expense reimbursements, liquidated damages, indemnifications or otherwise arising under the Notes, Security Agreement, or any other Transaction Document (as defined in the Securities Purchase Agreement) (such obligations, to the extent not paid by Parent being the “Guaranteed Obligations” and included in the definition of Obligations), and agrees to pay any and all reasonable costs, fees and expenses (including reasonable counsel fees and expenses) incurred by Collateral Agent and the Holders in enforcing any rights under the Guaranty set forth herein. Without limiting the generality of the foregoing, Guarantor’s liability shall extend to all amounts that constitute part of the Guaranteed Obligations and would be owed by Parent to Collateral Agent and the Holders, but for the fact that they are unenforceable or not allowable due to the existence of an insolvency, bankruptcy or reorganization involving Parent.

3.2 Guaranty Absolute. Guarantor guarantees that the Guaranteed Obligations will be paid strictly in accordance with the terms of the Notes, regardless of any law, regulation or order now or hereafter in effect in any jurisdiction affecting any of such terms or the rights of Collateral Agent or the Holders with respect thereto. The obligations of Guarantor under this Guaranty are independent of the Guaranteed Obligations, and a separate action or actions may be brought and prosecuted against Guarantor to enforce such obligations, irrespective of whether any action is brought against Parent or any other guarantor or whether Parent or any other guarantor is joined in any such action or actions. The liability of Guarantor under this Guaranty constitutes a primary obligation, and not a contract of surety, and to the extent permitted by law, shall be irrevocable, absolute and unconditional irrespective of, and Guarantor hereby irrevocably waives any defenses it may now or hereafter have in any way relating to, any or all of the following:

- (a) any lack of validity of the Notes or any agreement or instrument relating thereto;
- (b) any change in the time, manner or place of payment of, or in any other term of, all or any of the Guaranteed Obligations, or any other amendment or waiver of or any consent to departure from the Notes, including, without limitation, any increase in the Guaranteed Obligations resulting from the extension of additional credit to Parent or otherwise;
- (c) any taking, exchange, release, subordination or non-perfection of any Collateral, or any taking, release or amendment or waiver of or consent to departure from any other guaranty, for all or any of the Guaranteed Obligations;
- (d) any change, restructuring or termination of the corporate, limited liability company or partnership structure or existence of Parent; or
- (e) any other circumstance (including, without limitation, any statute of limitations) or any existence of or reliance on any representation by Collateral Agent or the Holders that might otherwise constitute a defense available to, or a discharge of, Parent or any other guarantor or surety.

This Guaranty shall continue to be effective or be reinstated, as the case may be, if at any time any payment of any of the Guaranteed Obligations is rescinded or must otherwise be returned by Collateral Agent, the Holders or any other entity upon the insolvency, bankruptcy or reorganization of the Parent or otherwise (and whether as a result of any demand, settlement, litigation or otherwise), all as though such payment had not been made.

3.3 Waiver. Guarantor hereby waives promptness, diligence, notice of acceptance and any other notice with respect to any of the Guaranteed Obligations and this Guaranty and any requirement that Collateral Agent or the Holders exhaust any right or take any action against any Borrower or any other person or entity or any Collateral. Guarantor acknowledges that it will receive direct and indirect benefits from the financing arrangements contemplated herein and that the waiver set forth in this Section 3.3 is knowingly made in contemplation of such benefits. Guarantor hereby waives any right to revoke this Guaranty, and acknowledges that this Guaranty is continuing in nature and applies to all Guaranteed Obligations, whether existing now or in the future.

3.4 Continuing Guaranty; Assignments. This Guaranty is a continuing guaranty and shall (a) remain in full force and effect until the later of the indefeasible cash or other payment in full of the Guaranteed Obligations, (b) be binding upon Guarantor, its successors and assigns, and (c) inure to the benefit of and be enforceable by the Holders and their successors, pledgees, transferees and assigns. Without limiting the generality of the foregoing clause (c), any Holder may pledge, assign or otherwise transfer all or any portion of its rights and obligations under this Guaranty (including, without limitation, all or any portion of its Notes owing to it) to any other Person, and such other Person shall thereupon become vested with all the benefits in respect thereof granted such Collateral Agent or Holder herein or otherwise.

3.5 Subrogation. Guarantor will not exercise any rights that it may now or hereafter acquire against the Collateral Agent or any Holder or other guarantor (if any) that arise from the existence, payment, performance or enforcement of such Guarantor’s obligations under this Guaranty, including, without limitation, any right of subrogation, reimbursement, exoneration, contribution or indemnification, whether or not such claim, remedy or right arises in equity or under contract, statute or common law, including, without limitation, the right to take or receive from the Collateral Agent or any Holder or other guarantor (if any), directly or indirectly, in cash or other property or by set-off or in any other manner, payment or security solely on account of such claim, remedy or right, unless and until all of the Guaranteed Obligations and all other amounts payable under this Guaranty shall have been indefeasibly paid in full.

3.6 Maximum Obligations. Notwithstanding any provision herein contained to the contrary, Guarantor’s liability with respect to the Obligations shall be limited to an amount not to exceed, as of any date of determination, the amount that could be claimed by Holders from Guarantor without rendering such claim voidable or avoidable under Section 548 of the Bankruptcy Code or under any applicable state Uniform Fraudulent Transfer Act, Uniform Fraudulent Conveyance Act or similar statute or common law.

#### 4. Miscellaneous.

4.1 Expenses. Guarantor shall pay to the Holders, on demand, the amount of any and all reasonable expenses the Holders may incur in connection with exercise or enforcement of any of the rights, remedies or powers of the Holders hereunder or with respect to any or all of the Obligations, including, without limitation, reasonable attorneys’ fees, reasonable legal expenses and reasonable brokers’ fees.

4.2 Waivers, Amendment and Remedies. No course of dealing by the Holders and no failure by the Holders to exercise, or delay by the Holder in exercising, any right, remedy or power hereunder shall operate as a waiver thereof, and no single or partial exercise thereof shall preclude any other or further exercise thereof or the exercise of any other right, remedy or power of the Holders. No amendment, modification or waiver of any provision of this Guaranty and no consent to any departure by Guarantor therefrom, shall, in any event, be effective unless contained in a writing signed by the Guarantor and the Majority in Interest (as such term is defined in the Security Agreement) or Holders against whom such amendment, modification or waiver is sought, and then such waiver or consent shall be effective only in the specific instance and for the specific purpose for which given. The rights, remedies and powers of the Holders, not only hereunder, but also under any other Transaction Documents and under applicable law are cumulative, and may be exercised by the Holders from time to time in such order as the Holders may elect.

4.3 Notices. All notices, demands, requests, consents, approvals, and other communications required or permitted hereunder shall be in writing and, unless

otherwise specified herein, shall be (a) personally served, (b) deposited in the mail, registered or certified, return receipt requested, postage prepaid, (c) delivered by a reputable overnight courier service with charges prepaid, or (d) transmitted by hand delivery, telegram, or facsimile, addressed as set forth below or to such other address as such party shall have specified most recently by written notice. Any notice or other communication required or permitted to be given hereunder shall be deemed effective (i) upon hand delivery or delivery by facsimile, with accurate confirmation generated by the transmitting facsimile machine, at the address or number designated below if delivered on a Business Day during normal business hours, or the first Business Day following such delivery (if delivered other than on a Business Day during normal business hours), (ii) on the first Business Day following the date deposited with an overnight courier service with charges prepaid, or (iii) on the fifth Business Day following the date of mailing pursuant to subpart (b) above, or upon actual receipt of such mailing, whichever shall first occur. The addresses for such communications shall be made in accordance with the Security Agreement. Any party may change its address by written notice in accordance with this paragraph.

4.4 **Term; Binding Effect.** This Guaranty shall (a) remain in full force and effect until payment and satisfaction in full of all of the Guaranteed Obligations; (b) be binding upon Guarantor and its successors and permitted assigns; and (c) inure to the benefit of the Holders and their respective successors and assigns. All the rights and benefits granted by Guarantor to the Collateral Agent and Holders hereunder and other agreements and documents delivered in connection therewith are deemed granted to both the Collateral Agent and Holders. Upon the payment in full of the Guaranteed Obligations, (i) this Guaranty shall terminate and (ii) the Holders will, upon Guarantor's request and at Guarantor's expense, execute and deliver to Guarantor such documents as Guarantor shall reasonably request to evidence such termination, all without any representation, warranty or recourse whatsoever.

4.5 **Captions.** The captions of Paragraphs, Articles and Sections in this Guaranty have been included for convenience of reference only, and shall not define or limit the provisions hereof and have no legal or other significance whatsoever.

4.6 **Governing Law; Venue; Severability.** This Guaranty shall be governed by and construed in accordance with the laws of the State of New York without regard to principles of conflicts or choice of law. Any legal action or proceeding against Guarantor with respect to this Guaranty may be brought in the courts of the State of New York or of the United States for the Southern District of New York, and, by execution and delivery of this Guaranty, Guarantor hereby irrevocably accepts for itself and in respect of its property, generally and unconditionally, the jurisdiction of the aforesaid courts. Guarantor hereby irrevocably waives any objection which it may now or hereafter have to the laying of venue of any of the aforesaid actions or proceedings arising out of or in connection with this Guaranty brought in the aforesaid courts and hereby further irrevocably waives and agrees not to plead or claim in any such court that any such action or proceeding brought in any such court has been brought in an inconvenient forum. If any provision of this Guaranty, or the application thereof to any person or circumstance, is held invalid, such invalidity shall not affect any other provisions which can be given effect without the invalid provision or application, and to this end the provisions hereof shall be severable and the remaining, valid provisions shall remain of full force and effect. **This Guaranty shall be deemed an unconditional obligation of Guarantor for the payment of money and, without limitation to any other remedies of Holders, may be enforced against Guarantor by summary proceeding pursuant to New York Civil Procedure Law and Rules Section 3213 or any similar rule or statute in the jurisdiction where enforcement is sought. For purposes of such rule or statute, any other document or agreement to which Holders and Guarantor are parties or which Guarantor delivered to Holders, which may be convenient or necessary to determine Holders' rights hereunder or Guarantor's obligations to Holders are deemed a part of this Guaranty, whether or not such other document or agreement was delivered together herewith or was executed apart from this Guaranty.** Each party hereto hereby irrevocably waives personal service of process and consents to process being served in any such proceeding by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to such party at the address in effect for notices to it under this Agreement and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any other manner permitted by law. Guarantor irrevocably appoints Parent its true and lawful agent for service of process upon whom all processes of law and notices may be served and given in the manner described above; and such service and notice shall be deemed valid personal service and notice upon Guarantor with the same force and validity as if served upon Guarantor.

4.7 **Satisfaction of Obligations.** For all purposes of this Guaranty, the payment in full of the Obligations shall be conclusively deemed to have occurred when the Obligations have been paid pursuant to the terms of the Notes and the Securities Purchase Agreements.

4.8 **Counterparts/Execution.** This Agreement may be executed in any number of counterparts and by the different signatories hereto on separate counterparts, each of which, when so executed, shall be deemed an original, but all such counterparts shall constitute but one and the same instrument. This Agreement may be executed by facsimile signature and delivered by electronic transmission.

[THE BALANCE OF THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the undersigned have executed and delivered this Guaranty, as of the date first written above.

“GUARANTOR”

Smartkem Limited

By:

\_\_\_\_\_  
Name: Ian Jenks  
Title: Director

**This Guaranty Agreement may be signed by facsimile signature and delivered by confirmed facsimile transmission.**

**SCHEDULE A TO SUBSIDIARY GUARANTY**

| HOLDER AND ADDRESS | NOTE<br>PRINCIPAL |
|--------------------|-------------------|
|                    |                   |
|                    |                   |
|                    |                   |

**ANNEX B to SECURITY AGREEMENT**

**THE COLLATERAL AGENT**

1. **Appointment.** The Secured Parties (all capitalized terms used herein and not otherwise defined shall have the respective meanings provided in the Security Agreement to which this Annex B is attached (the “Agreement”), by their acceptance of the benefits of the Agreement, hereby designate [\*] (“Collateral Agent”) as the Collateral Agent to act as specified herein and in the Agreement. Each Secured Party shall be deemed irrevocably to authorize the Collateral Agent to take such action on its behalf under the provisions of the Agreement and any other Transaction Document (as such term is defined in the Notes) and to exercise such powers and to perform such duties hereunder and thereunder as are specifically delegated to or required of the Collateral Agent by the terms hereof and thereof and such other powers as are reasonably incidental thereto. The Collateral Agent may perform any of its duties hereunder by or through its agents or employees.

2. **Nature of Duties.** The Collateral Agent shall have no duties or responsibilities except those expressly set forth in the Agreement. Neither the Collateral Agent nor any of its partners, members, shareholders, officers, directors, employees or agents shall be liable for any action taken or omitted by it as such under the Agreement or hereunder or in connection herewith or therewith, be responsible for the consequence of any oversight or error of judgment or answerable for any loss, unless caused solely by its or their gross negligence or willful misconduct as determined by a final judgment (not subject to further appeal) of a court of competent jurisdiction. The duties of the Collateral Agent shall be mechanical and administrative in nature; the Collateral Agent shall not have by reason of the Agreement or any other Transaction Document a fiduciary relationship in respect of any Debtor or any Secured Party; and nothing in the Agreement or any other Transaction Document, expressed or implied, is intended to or shall be so construed as to impose upon the Collateral Agent any obligations in respect of the Agreement or any other Transaction Document except as expressly set forth herein and therein.

3. **Lack of Reliance on the Collateral Agent.** Independently and without reliance upon the Collateral Agent, each Secured Party, to the extent it deems appropriate, has made and shall continue to make (i) its own independent investigation of the financial condition and affairs of the Company and its Subsidiaries in connection with such Secured Party’s investment in the Debtors, the creation and continuance of the Obligations, the transactions contemplated by the Transaction Documents, and the taking or not taking of any action in connection therewith, and (ii) its own appraisal of the creditworthiness of the Company and its Subsidiaries, and of the value of the Collateral from time to time, and the Collateral Agent shall have no duty or responsibility, either initially or on a continuing basis, to provide any Secured Party with any credit, market or other information with respect thereto, whether coming into its possession before any Obligations are incurred or at any time or times thereafter. The Collateral Agent shall not be responsible to the Debtors or any Secured Party for any recitals, statements, information, representations or warranties herein or in any document, certificate or other writing delivered in connection herewith, or for the execution, effectiveness, genuineness, validity, enforceability, perfection, collectability, priority or sufficiency of the Agreement or any other Transaction Document, or for the financial condition of the Debtors or the value of any of the Collateral, or be required to make any inquiry concerning either the performance or observance of any of the terms, provisions or conditions of the Agreement or any other Transaction Document, or the financial condition of the Debtors, or the value of any of the Collateral, or the existence or possible existence of any default or Event of Default under the Agreement, the Notes or any of the other Transaction Documents.

4. **Certain Rights of the Collateral Agent.** The Collateral Agent shall have the right to take any action with respect to the Collateral, on behalf of all of the Secured Parties. To the extent practical, the Collateral Agent shall request instructions from the Secured Parties with respect to any material act or action (including failure to act) in connection with the Agreement or any other Transaction Document, and shall be entitled to act or refrain from acting in accordance with the instructions of Secured Parties holding a majority in principal amount of Notes (based on then-outstanding principal amounts of Notes at the time of any such determination); if such instructions are not provided despite the Collateral Agent’s request therefor, the Collateral Agent shall be entitled to refrain from such act or taking such action, and if such action is taken, shall be entitled to appropriate indemnification from the Secured Parties in respect of actions to be taken by the Collateral Agent; and the Collateral Agent shall not incur liability to any person or entity by reason of so refraining. Without limiting the foregoing, (a) no Secured Party shall have any right of action whatsoever against the Collateral Agent as a result of the Collateral Agent acting or refraining from acting hereunder in accordance with the terms of the Agreement or any other Transaction Document, and the Debtors shall have no right to question or challenge the authority of, or the instructions given to, the Collateral Agent pursuant to the foregoing and (b) the Collateral Agent shall not be required to take any action which the Collateral Agent believes (i) could reasonably be expected to expose it to personal liability or (ii) is contrary to this Agreement, the Transaction Documents or applicable law.

5. **Reliance.** The Collateral Agent shall be entitled to rely, and shall be fully protected in relying, upon any writing, resolution, notice, statement, certificate, telex, teletype or telecopier message, cablegram, radiogram, order or other document or telephone message signed, sent or made by the proper person or entity, and, with respect to all legal matters pertaining to the Agreement and the other Transaction Documents and its duties thereunder, upon advice of counsel selected by it and upon all other matters pertaining to this Agreement and the other Transaction Documents and its duties thereunder, upon advice of other experts selected by it. Anything to the contrary notwithstanding, the Collateral Agent shall have no obligation whatsoever to any Secured Party to assure that the Collateral exists or is owned by the Debtors or is cared for, protected or insured or that the liens granted pursuant to the Agreement have been properly or sufficiently or lawfully created, perfected, or enforced or are entitled to any particular priority.

6. **Indemnification.** To the extent that the Collateral Agent is not reimbursed and indemnified by the Debtors, the Secured Parties will jointly and severally reimburse and indemnify the Collateral Agent, in proportion to their initially purchased respective principal amounts of Notes, from and against any and all liabilities, obligations, losses, damages, penalties, actions, judgments, suits, costs, expenses or disbursements of any kind or nature whatsoever which may be imposed on, incurred by or asserted against the Collateral Agent in performing its duties hereunder or under the Agreement or any other Transaction Document, or in any way relating to or arising out of the Agreement or any other Transaction Document except for those determined by a final judgment (not subject to further appeal) of a court of competent jurisdiction to have resulted solely from the Collateral Agent’s own gross negligence or willful misconduct. Prior to taking any action hereunder as Collateral Agent, the Collateral Agent may require each Secured Party to deposit with it sufficient sums as it determines in good faith is necessary to protect the Collateral Agent for costs and expenses associated with taking such action.

**7. Resignation by the Collateral Agent.**

(a) The Collateral Agent may resign from the performance of all its functions and duties under the Agreement and the other Transaction Documents at any

time by giving 5 days' prior written notice (as provided in the Agreement) to the Debtors and the Secured Parties. Such resignation shall take effect upon the appointment of a successor Collateral Agent pursuant to clauses (b) and (c) below.

(b) Upon any such notice of resignation, the Secured Parties, acting by a Majority in Interest, shall appoint a successor Collateral Agent hereunder.

(c) If a successor Collateral Agent shall not have been so appointed within said 5-day period, the Collateral Agent shall then appoint a successor Collateral Agent who shall serve as Collateral Agent until such time, if any, as the Secured Parties appoint a successor Collateral Agent as provided above. If a successor Collateral Agent has not been appointed within such 5-day period, the Collateral Agent may petition any court of competent jurisdiction or may interplead the Debtors and the Secured Parties in a proceeding for the appointment of a successor Collateral Agent, and all fees, including, but not limited to, extraordinary fees associated with the filing of interpleader and expenses associated therewith, shall be payable by the Debtors on demand.

**8. Rights with respect to Collateral.** Each Secured Party agrees with all other Secured Parties and the Collateral Agent (i) that it shall not, and shall not attempt to, exercise any rights with respect to its security interest in the Collateral, whether pursuant to any other agreement or otherwise (other than pursuant to this Agreement), or take or institute any action against the Collateral Agent or any of the other Secured Parties in respect of the Collateral or its rights hereunder (other than any such action arising from the breach of this Agreement) and (ii) that such Secured Party has no other rights with respect to the Collateral other than as set forth in this Agreement and the other Transaction Documents. Upon the acceptance of any appointment as Collateral Agent hereunder by a successor Collateral Agent, such successor Collateral Agent shall thereupon succeed to and become vested with all the rights, powers, privileges and duties of the retiring Collateral Agent and the retiring Collateral Agent shall be discharged from its duties and obligations under the Agreement. After any retiring Collateral Agent's resignation or removal hereunder as Collateral Agent, the provisions of the Agreement including this Annex B shall inure to its benefit as to any actions taken or omitted to be taken by it while it was Collateral Agent.