

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 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) **December 15, 2023**

SONOMA PHARMACEUTICALS, INC.
(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

001-33216
(Commission
File Number)

68-0423298
(IRS Employer
Identification No.)

5445 Conestoga Court, Suite 150
Boulder, CO 80301
(Address of principal executive offices)
(Zip Code)

(800) 759-9305
(Registrant's telephone number, including area code)

Not applicable.
(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 (see General Instruction A.2. below):

- ☐ 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 each exchange on which registered
Common Stock	SNOA	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 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2). 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 December 15, 2023, Sonoma Pharmaceuticals, Inc. (the "Company") entered into an Equity Distribution Agreement (the "Agreement"), with Maxim Group LLC ("Maxim"), pursuant to which the Company may offer and sell, from time to time, through Maxim, as sales agent or principal, shares of its common stock, \$0.0001 par value per share.

Subject to the terms and conditions of the Agreement, Maxim will use commercially reasonable efforts consistent with its normal trading and sales practices, applicable state and federal law, rules and regulations and the rules of the Nasdaq Capital Market to sell shares from time to time based upon the Company's instructions, including any price, time or size limits specified by the Company. Under the Agreement, Maxim may sell shares by any method deemed to be an "at the market" offering as defined in Rule 415 under the U.S. Securities Act of 1933, as amended, or any other method permitted by law, including in privately negotiated transactions. Maxim's obligations to sell shares under the Agreement are subject to satisfaction of certain conditions, including customary closing conditions for transactions of this nature. The Company will pay Maxim a commission of 3% of the aggregate gross proceeds from each sale of shares and has agreed to provide Maxim with customary indemnification and contribution rights. The Company also agreed to reimburse Maxim for certain specified expenses of up to \$20,000.

The Company is not obligated to make any sales of its common stock under the Agreement and no assurance can be given that the Company will sell any shares under the Agreement, or, if it does, as to the price or amount of shares that the Company will sell, or the dates on which any such sales will take place. The Agreement will terminate upon the earlier of (i) the sale of all shares under the Agreement, or (ii) as provided therein.

Sales of shares of common stock under the Agreement will be made pursuant to the registration statement on Form S-3 (File No. 333-275311), which was declared effective by the U.S. Securities and Exchange Commission (the "SEC"), on November 20, 2023, and a related prospectus supplement filed with the SEC on December 15, 2023, for an aggregate offering price of up to \$392,077.

The foregoing summary of the Agreement does not purport to be complete and is qualified in its entirety by reference to the full text of the Agreement, which is filed herewith as Exhibit 1.1.

A copy of the opinion of Burns & Levinson, LLP relating to the legality of the issuance and sale of shares under the Agreement, is attached hereto as Exhibit 5.1 to this Current Report on Form 8-K.

This Current Report on Form 8-K shall not constitute an offer to sell or the solicitation of an offer to buy any shares under the Agreement, nor shall there be any sale of such shares in any state in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state.

This report contains forward-looking statements. Forward-looking statements include, but are not limited to, statements that express the Company's intentions, beliefs, expectations, strategies, predictions or any other statements related to the Company's future activities, or future events or conditions. These statements are based on current expectations, estimates and projections about the Company's business based, in part, on assumptions made by management. These statements are not guarantees of future performances and involve risks, uncertainties and assumptions that are difficult to predict. Therefore, actual outcomes and results may differ materially from what is expressed or forecasted in the forward-looking statements due to numerous factors, including those risks discussed in the Company's Annual Report on Form 10-K and in other documents that the Company files from time to time with the SEC. Any forward-looking statements speak only as of the date on which they are made, and the Company does not undertake any obligation to update any forward-looking statement to reflect events or circumstances after the date of this report, except as required by law.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit Number	Description
1.1	<u>Equity Distribution Agreement, by and between Sonoma Pharmaceuticals, Inc. and Maxim Group LLC., dated December 15, 2023</u>
5.1	<u>Opinion of Burns & Levinson, LLP</u>
23.1	Consent of Burns & Levinson, LLP (included in <u>Exhibit 5.1</u>).
104	Cover Page Interactive Data File (formatted in Inline XBRL in Exhibit 101).

SIGNATURES

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.

SONOMA PHARMACEUTICALS, INC.

Date: December 15, 2023

By: /s/ Amy Trombly
Name: Amy Trombly
Title: Chief Executive Officer

SONOMA PHARMACEUTICALS, INC.

Shares of Common Stock
(par value, \$0.0001 per share)

EQUITY DISTRIBUTION AGREEMENT

December 15, 2023

Maxim Group LLC
300 Park Avenue, 16th Floor
New York, New York 10022

Ladies and Gentlemen:

Sonoma Pharmaceuticals, Inc., a Delaware corporation (the “*Company*”), proposes to issue and sell through Maxim Group LLC, as exclusive sales agent (the “*Agent*”), shares of common stock, par value \$0.0001 per share, of the Company (the “*Common Stock*”), with the Common Stock subject to this Equity Distribution Agreement (this “*Agreement*”) being referred to herein as the “*Shares*”, on terms set forth herein and subject to the limitations set forth in Section 2 hereof. The Shares consist entirely of authorized but unissued shares of Common Stock to be issued and sold by the Company.

The Company hereby confirms its agreement with the Agent with respect to the sale of the Shares.

1. ***Representations and Warranties of the Company.***

(a) The Company represents and warrants to, and agrees with, the Agent as follows as of the date of this Agreement, each Settlement Date (as defined below), each Time of Sale (as defined below), each time a Transaction Notice (as defined below) is delivered and each Bringdown Date (as defined below):

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(i) The Company has filed a registration statement on Form S-3 (File No. 333-275311) that was initially declared effective by the U.S. Securities and Exchange Commission (the “*Commission*”) on November 20, 2023, and is currently effective, under the Securities Act of 1933, as amended (the “*Securities Act of 1933*”), and the rules and regulations promulgated thereunder (the “*Rules and Regulations*” and collectively with the Securities Act of 1933, the “*Securities Act*”) and which incorporates by reference documents that the Company has filed or will file in accordance with the provisions of the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder (the “*Exchange Act*”). Since the date of effectiveness of the registration statement, no additional or supplemental information was requested by the Commission; no stop order of the Commission preventing or suspending the use of any Base Prospectus (as defined below), the Prospectus Supplement (as defined below), the Prospectus (as defined below) or any Permitted Free Writing Prospectus (as defined below), or the effectiveness of the registration statement, has been issued, and no proceedings for such purpose have been instituted or, to the Company's knowledge, are contemplated by the Commission. The Company has prepared a Prospectus Supplement to the Base Prospectus included as part of such registration statement specifically relating to the Shares, which shall be filed with the Commission prior to the delivery of any Transaction Notice. The Company will furnish to the Agent, for use by the Agent, copies of the base prospectus included as part of such registration statement, as supplemented by the Prospectus Supplement, relating to the Shares. Except where the context otherwise requires, “*Registration Statement*,” as used herein, means the registration statement, as amended at the time of such registration statement's effectiveness for purposes of Section 11 of the Securities Act, as such section applies to the Agent, including (1) all documents filed as a part thereof or incorporated or deemed to be incorporated by reference therein, (2) any information contained or incorporated by reference in a prospectus filed with the Commission pursuant to Rule 424(b) under the Securities Act, to the extent such information is deemed, pursuant to Rule 430B or Rule 430C under the Securities Act, to be part of the registration statement at such time, and (3) any registration statement filed to register the offer and sale of Shares pursuant to Rule 462(b) under the Securities Act (the “*462(b) Registration Statement*”). Except where the context otherwise requires, “*Base Prospectus*,” as used herein, means the prospectus filed as part of the Registration Statement, together with any amendments or supplements thereto as of the date of this Agreement. Except where the context otherwise requires, “*Prospectus Supplement*,” as used herein, means the most recent prospectus supplement relating to the Shares, filed or to be filed by the Company with the Commission pursuant to Rule 424(b) under the Securities Act and in accordance with the terms of this Agreement. Except where the context otherwise requires, “*Prospectus*,” as used herein, means the Prospectus Supplement together with the Base Prospectus attached to or used with the Prospectus Supplement, as may be amended or supplemented from time to time. “*Permitted Free Writing Prospectus*,” as used herein, means the documents, if any, listed on Schedule A attached hereto and, after the date hereof, any “issuer free writing prospectus” as defined in Rule 433 of the Securities Act, that is expressly agreed to by the Company and the Agent in writing to be a Permitted Free Writing Prospectus. Any reference herein to the Registration Statement, the Base Prospectus, the Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus shall be deemed to refer to and include the documents, if any, incorporated by reference, or deemed to be incorporated by reference, therein pursuant to Item 12 of Form S-3 (the “*Incorporated Documents*”), including, unless the context otherwise requires, the documents, if any, filed as exhibits to such Incorporated Documents. For purposes of this Agreement, all references to the Registration Statement, the Rule 462(b) Registration Statement, the Base Prospectus, the Prospectus Supplement, the Prospectus or any amendment or supplement to any of the foregoing shall be deemed to include the copy filed with the Commission pursuant to its Electronic Data Gathering, Analysis and Retrieval System. All references in this Agreement to financial statements and schedules and other information which is “described,” “contained,” “included” or “stated” in the Registration Statement, the Base Prospectus, the Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus (or other references of like import) shall be deemed to mean and include all such financial statements and schedules and other information which is incorporated by reference in or otherwise deemed by the Rules and Regulations to be a part of or included in the Registration Statement, the Base Prospectus, the Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus as the case may be. Any reference herein to the terms “amend,” “amendment” or “supplement” with respect to the Registration Statement, any Base Prospectus, the Prospectus, the Prospectus Supplement or any Permitted Free Writing Prospectus shall be deemed to refer to and include the filing of any document under the Exchange Act on or after the initial effective date of the Registration Statement, or the date of such Base Prospectus, the Prospectus, the Prospectus Supplement or such Permitted Free Writing Prospectus, if any, as the case may be, and incorporated or deemed to be incorporated therein by reference pursuant to Item 12 of Form S-3. “*Time of Sale*” means each time a Share is purchased pursuant to this Agreement.

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(ii) (A) The Registration Statement complied when it became effective, complies as of the date hereof, and will comply upon filing and effectiveness of any amendment thereto and at each Time of Sale, each Settlement Date and at the time of delivery of each Transaction Notice, and each Bringdown Date (as applicable) in all material respects, with the requirements of the Securities Act and at all times during which a prospectus is required by the Securities Act to be delivered (whether physically or through compliance with Rule 172 under the Securities Act or any similar rule) in connection with any sale of Shares (the “**Prospectus Delivery Period**”); the Registration Statement, as may be amended, will comply, in all material respects, with the requirements of the Securities Act; the conditions to the use of Form S-3 in connection with the offering and sale of the Shares as contemplated hereby (the “**Offering**”) have been satisfied; the Registration Statement meets, and the Offering complies with, the requirements of Rule 415 under the Securities Act (including, without limitation, Rule 415(a)(5)); the Registration Statement did not, as of the time of its effectiveness, does not, as of the date hereof, and will not, as of the effective date of any amendment thereto, at each Time of Sale, if any, and at all times during a Prospectus Delivery Period, contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading.

(B) The Prospectus, as of the date of the Prospectus Supplement, as of the date hereof (if filed with the Commission on or prior to the date hereof), at each Settlement Date, Time of Sale and at the time of delivery of each Transaction Notice, and each Bringdown Date (as applicable), and at all times during a Prospectus Delivery Period, complied, complies or will comply, in all material respects, with the requirements of the Securities Act; and the Prospectus, and each supplement thereto, as of their respective dates, at each Settlement Date or Time of Sale (as applicable), and at all times during a Prospectus Delivery Period, did not and will not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading.

(C) Each Permitted Free Writing Prospectus, if any, as of its date and as of each Settlement Date, Time of Sale and at the time of delivery of each Transaction Notice, and each Bringdown Date (as applicable), and at all times during a Prospectus Delivery Period (when taken together with the Prospectus at such time) will not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading.

The representations and warranties set forth in subparagraphs (A), (B) and (C) above shall not apply to any statement contained in the Registration Statement, any Base Prospectus, the Prospectus or any Permitted Free Writing Prospectus in reliance upon and in conformity with information concerning the Agent that is furnished in writing by or on behalf of the Agent expressly for use in the Registration Statement, such Base Prospectus, the Prospectus Supplement, the Prospectus or such Permitted Free Writing Prospectus, if any, it being understood and agreed that the only such information furnished by the Agent as of the date hereof consists of the information described in Section 5(b)(ii).

(iii) Prior to the execution of this Agreement, the Company has not, directly or indirectly, offered or sold any Shares by means of any “prospectus” (within the meaning of the Securities Act) or used any “prospectus” (within the meaning of the Securities Act) in connection with the Offering, in each case other than the Base Prospectus, the Prospectus Supplement, Prospectus or any Permitted Free Writing Prospectus; the Company has not, directly or indirectly, prepared, used or referred to any Permitted Free Writing Prospectus except in compliance with Rules 164 and 433 under the Securities Act; assuming that a Permitted Free Writing Prospectus, if any, is sent or given after the Registration Statement was filed with the Commission (and after such Permitted Free Writing Prospectus, if any, was, if required pursuant to Rule 433(d) under the Securities Act, filed with the Commission), the Company will satisfy the provisions of Rule 164 or Rule 433 necessary for the use of a free writing prospectus (as defined in Rule 405) in connection with the Offering; the conditions set forth in one or more of subclauses (i) through (iv), inclusive, of Rule 433(b)(1) under the Securities Act are satisfied, and the registration statement relating to the Offering, as initially filed with the Commission, includes a prospectus that, other than by reason of Rule 433 or Rule 431 under the Securities Act, satisfies the requirements of Section 10 of the Securities Act; neither the Company nor the Agent is disqualified, by reason of subsection (f) or (g) of Rule 164 under the Securities Act, from using, in connection with the Offering, “free writing prospectuses” (as defined in Rule 405 under the Securities Act) pursuant to Rules 164 and 433 under the Securities Act; the Company is not an “ineligible issuer” (as defined in Rule 405 under the Securities Act) as of the eligibility determination date for purposes of Rules 164 and 433 under the Securities Act with respect to the offering of the Shares contemplated by the Registration Statement; the parties hereto agree and understand that the content of any and all “road shows” (as defined in Rule 433 under the Securities Act) related to the Offering is solely the property of the Company.

(iv) Each Permitted Free Writing Prospectus, as of its issue date, each Time of Sale, each Settlement Date and at the time of delivery of each Transaction Notice, and each Bringdown Date, occurring after such issue date and at all subsequent times through the Prospectus Delivery Period or until any earlier date that the Company notified or notifies the Agent as described in Section 3(c)(iii), did not, does not and will not include any information that conflicted, conflicts or will conflict with the information contained in the Registration Statement, any Base Prospectus, Prospectus Supplement, or the Prospectus. The foregoing sentence does not apply to statements in or omissions from any Permitted Free Writing Prospectus based upon and in conformity with written information furnished to the Company by the Agent specifically for use therein, it being understood and agreed that only such information furnished by the Agent as of the date hereof consists of the information described in Section 5(b)(ii).

(v) The financial statements, together with the related notes and supporting schedules, set forth or incorporated by reference in the Registration Statement and the Prospectus comply in all material respects with the requirements of the Securities Act and the Exchange Act and fairly present the financial condition of the Company and its subsidiaries (as identified in the Registration Statement and Prospectus, the “**Subsidiaries**”) as a whole as of the dates indicated and the results of operations and changes in cash flows for the periods therein specified in conformity with U.S. generally accepted accounting principles (“**GAAP**”) consistently applied throughout the periods involved. No other financial statements or supporting schedules are required to be included or incorporated by reference in the Registration Statement or the Prospectus under the Securities Act except as so included or incorporated by reference. All disclosures contained in the Registration Statement or the Prospectus or incorporated by reference therein regarding “non-GAAP financial measures” (as such term is defined by the applicable rules and regulations of the Commission) comply with Regulation G of the Exchange Act and Item 10 of Regulation S-K of the Securities Act to the extent applicable. The other financial information included in or incorporated by reference in the Registration Statement and the Prospectus present fairly the information included or incorporated by reference therein and have been prepared on a basis consistent with that of the financial statements that are included in the Registration Statement and the Prospectus and the books and records of the Company. Frazier & Deeter, LLC (the “**Auditor**”), which has expressed its opinion with respect to the audited financial statements for the fiscal years ended March 31, 2023 and 2022 and which has reviewed the unaudited financial statements for the three and six months ended September 30, 2023 (collectively, the “**Incorporated Financial Statements**”), incorporated by reference in the Registration Statement and the Prospectus, is a registered public accounting firm within the meaning of the Securities Act, and the Auditor, to the Company’s knowledge, in the performance of its work for the Company, has not been in violation of the auditor independence requirements of the Sarbanes-Oxley Act of 2002 (the “**Sarbanes-Oxley Act**”). There are no transactions, arrangements and other relationships between and/or among the Company, and/or, to the knowledge of the Company, any of its affiliates and any unconsolidated entity, including, but not limited to, any structural finance, special purpose or limited purpose entity (each, an “**Off-Balance Sheet Transaction**”) that could reasonably be expected to affect materially the Company’s liquidity or the availability of or requirements for its capital resources, which have not been described as required.

(vi) The Company and each of the Subsidiaries has been duly organized and is validly existing as a corporation under the laws of its jurisdiction of incorporation or formation as applicable. The Company and each of the Subsidiaries has full corporate or limited liability company power and authority to own its respective properties and conduct its respective businesses as currently being carried on and as described in the Registration Statement and the Prospectus, and is duly qualified to do business as a foreign corporation or limited liability company in good standing in each jurisdiction in which it owns or leases real property or in which the conduct of its business makes such qualification necessary and in which the failure to so qualify would have a material adverse effect upon the results of operations, business, management, properties, prospects, conditions (financial or otherwise) or operations, of the Company and the Subsidiaries, either individually or taken as a whole (“**Material Adverse Effect**”). The Company does not own or control, directly or indirectly, any corporation, association or other entity other than the subsidiaries listed in Exhibit 21.1 to the Company’s Annual Report on Form 10-K for the fiscal year ended March 31, 2023.

(vii) Except as disclosed in the Registration Statement and the Prospectus: (a) the Company (including its Subsidiaries on a consolidated basis) has not (a) sustained any material loss or interference with its business from fire, explosion, flood or other calamity, whether or not covered by insurance, or from any labor dispute or court or governmental action, order or decree; (b) incurred any material liabilities or obligations, direct or contingent, or entered into any material transactions, or declared or paid any dividends or made any distribution of any kind with respect to the capital stock of the Company; (c) experienced any change in the capital stock of the Company, or issued options, warrants, convertible securities or other rights to purchase the capital stock of the Company, or any material change in the short-term or long-term debt of the Company (other than as a result of the exercise or settlement, as applicable, of any currently outstanding options and warrants that are disclosed in the Prospectus); or (d) experienced any Material Adverse Effect or any development that would reasonably be expected to result in a Material Adverse Effect. Since the date of the latest balance sheet included in the Registration Statement and the

(viii) There is not pending or, to the knowledge of the Company, threatened or contemplated, any action, suit or proceeding to which the Company or any of its Subsidiaries or which any property or assets of the Company or any of its Subsidiaries is the subject before or by any court or governmental agency, authority or body, or any arbitrator or mediator, which, individually or in the aggregate, would reasonably be expected to result in any Material Adverse Effect.

(ix) The disclosures in the Registration Statement and the Prospectus concerning the effects of foreign, federal, state and local regulation on the Company's business as currently contemplated are correct in all material respects. There are no statutes, regulations, contracts or documents that are required to be described in the Registration Statement and the Prospectus or be filed as exhibits to the Registration Statement by the Securities Act that have not been so described or filed.

(x) The Company has all corporate power and authority to execute, deliver and perform its obligations under this Agreement and all other agreements, documents, certificates and instruments required to be delivered pursuant to this Agreement. The Company's execution, delivery and performance under this Agreement and each of the transactions contemplated hereby have been duly authorized by all necessary corporate action. This Agreement has been duly executed and delivered by the Company, and constitutes a valid, legal and binding obligation of the Company, enforceable against the Company in accordance with its terms, except as rights to indemnity hereunder may be limited by federal or state securities laws and except as such enforceability may be limited by bankruptcy, insolvency, reorganization or similar laws affecting the rights of creditors generally and subject to general principles of equity. The issue and sale of the Shares, the execution, delivery and performance of this Agreement and the consummation of the transactions herein contemplated will not result in a breach or violation of any of the terms and provisions of, or constitute a default under, (i) any law, rule or regulation to which the Company or any of its Subsidiaries is subject, (ii) any agreement or instrument to which the Company or any of its Subsidiaries or by which it is bound or to which any of its property is subject, (iii) the Company's restated certificate of incorporation, as amended ("*Charter*") or amended and restated bylaws, as amended ("*Bylaws*"), or the organizational documents of any of its Subsidiaries, or (iv) any order, rule, regulation or decree of any court or governmental agency or body having jurisdiction over the Company or any of its Subsidiaries or any of its properties, except, in the case of clauses (i), (ii) and (iv), for such breaches, violations or defaults that would not reasonably be expected to result in a Material Adverse Effect; no consents, approvals, authorizations, orders, registrations, qualifications, licenses, filings, grants, certifications and permits of, with or from any judicial, regulatory or other legal or governmental agency or body or any third party, foreign or domestic is required for the execution, delivery and performance of this Agreement or consummation of each of the transactions contemplated by this Agreement, including the issuance, sale and delivery of the Shares to be issued, sold and delivered hereunder, except (i) such as may have previously been obtained (with copies of such consents provided to the Agent), each of which is in full force and effect as of the date hereof, (ii) filings with the Commission required under the Securities Act or the Exchange Act, or filings or notice with Nasdaq pursuant to the rules and regulations of The Nasdaq Stock Market LLC ("*Nasdaq*"), in each case that are contemplated by this Agreement to be made after the date of this Agreement, (iii) such consents as may be required under state securities or blue sky laws, and (iv) by the Financial Industry Regulatory Authority, Inc. ("*FINRA*") in connection with the purchase and distribution of the Shares.

(xi) All of the issued and outstanding shares of capital stock of the Company, including the outstanding Common Stock, are duly authorized and validly issued, fully paid and nonassessable, have been issued in compliance with all applicable foreign, federal and state securities laws, were not issued in violation of or subject to any preemptive rights or other rights to subscribe for or purchase securities that have not been waived in writing, and the holders thereof are not subject to personal liability by reason of being such holders; all of the issued and outstanding shares of capital stock of each of the Subsidiaries are duly authorized and validly issued, fully paid and nonassessable, and are owned by the Company, directly or through wholly-owned Subsidiaries, free and clear of any security interest, mortgage, pledge, lien, encumbrance, claim or equity, have been issued in compliance with all applicable foreign, federal and state securities laws, were not issued in violation of or subject to any preemptive rights or other rights to subscribe for or purchase securities that have not been waived in writing, and the holders thereof are not subject to personal liability by reason of being such holders; the Shares which may be sold under this Agreement by the Company have been duly authorized and, when issued, delivered and paid for in accordance with the terms of this Agreement, will have been validly issued and will be fully paid and nonassessable, and the holders thereof will not be subject to personal liability solely by reason of being such holders; and the capital stock of the Company, including the Common Stock, conforms in all material respects to the description thereof in the Registration Statement and the Prospectus. There are no preemptive rights or other rights to subscribe for or to purchase, or any restriction upon the voting or transfer of, any Common Stock pursuant to the Charter, or any agreement or other instrument to which the Company is a party or by which the Company is bound. Neither the filing of the Registration Statement nor the Offering gives rise to any rights for or relating to the registration of any Common Stock or other securities of the Company, except for such registration rights as have been duly waived. Except as described in the Registration Statement and the Prospectus, there are no options, warrants, agreements, contracts or other rights in existence to purchase or acquire from the Company any shares of the capital stock of the Company. The Company has an authorized and outstanding capitalization as set forth in the Registration Statement and the Prospectus as of the dates set forth therein.

(xii) The Company and each of its Subsidiaries holds, and is operating in compliance with all grants, authorizations, approvals, licenses, permits, consents, certificates, registrations, qualifications, filings, certificates and orders of, with and from all judicial, regulatory and other legal or governmental agencies, self-regulatory agencies, authorities and bodies and all third parties, foreign and domestic, including, without limitation, the U.S. Food and Drug Administration ("*FDA*") or equivalent in non-U.S. jurisdictions required for the conduct of its respective businesses (collectively, "*Consents*") and all such Consents are valid and in full force and effect, except for such noncompliance or failures to be in full force and effect that would not reasonably be expected to result in a Material Adverse Effect; and neither the Company nor any of its Subsidiaries has received notice of any revocation or modification of any such Consents or has reason to believe that any such Consents will not be renewed in the ordinary course. No Consent contains any material restriction not adequately disclosed in or incorporated by reference into the Registration Statement and the Prospectus. The Company and each of its Subsidiaries is in compliance with all applicable federal, state, local and foreign laws, regulations, orders and decrees, except for such noncompliance that would not reasonably be expected to result in a Material Adverse Effect.

(xiii) The Company and each of its Subsidiaries owns or leases all such properties (other than Intellectual Property, which is covered below) as are necessary to the conduct of business as presently operated and as described in the Registration Statement and the Prospectus. The Company and each of its Subsidiaries has good and marketable title to all property (whether real or personal) described in the Registration Statement and the Prospectus or in the Incorporated Documents as being owned by it, in each case free and clear of all liens, claims, security interests, other encumbrances or defects, except such as would not materially impair the use or value thereof. The property held under lease by the Company and each of its Subsidiaries is held by it under valid, subsisting and enforceable leases with only such exceptions with respect to any particular lease as do not interfere in any material respect with the conduct of the business of the Company or such Subsidiary.

(xiv) The Company and each of its Subsidiaries owns, possesses, or can acquire on reasonable terms, all Intellectual Property (as defined below) necessary for the conduct of their respective businesses as now conducted or as described in the Registration Statement and the Prospectus to be conducted. Except as would not result in a Material Adverse Effect, (A) there are no rights of third parties to any such Intellectual Property owned by the Company; (B) to the knowledge of the Company, there is no infringement, misappropriation or violation by third parties of any such Intellectual Property; (C) there is no pending or, to the knowledge of the Company, threatened, action, suit, proceeding or claim by others challenging the Company's or any Subsidiary's rights in or to any such Intellectual Property, and the Company is unaware of any facts which would form a reasonable basis for any such claim; (D) the Intellectual Property owned by the Company and each of the Subsidiaries, and to the knowledge of the Company, the Intellectual Property licensed to the Company and each of the Subsidiaries, has not been adjudged invalid or unenforceable, in whole or in part, and there is no pending or, to the knowledge of the Company, threatened action, suit, proceeding or claim by others challenging the validity or scope of any such Intellectual Property, and the Company is unaware of any facts which would form a reasonable basis for any such claim; (E) there is no pending or, to the knowledge of the Company, threatened action, suit, proceeding or claim by others that the Company or any of its Subsidiaries infringes, misappropriates or otherwise violates any Intellectual Property or other proprietary rights of others, and neither the Company nor any

of the Subsidiaries has received any written notice of such claim; and (F) to the Company's knowledge, no employee of the Company or any of its Subsidiaries is in or has ever been in violation of any term of any employment contract, patent disclosure agreement, invention assignment agreement, non-competition agreement, non-solicitation agreement, nondisclosure agreement or any restrictive covenant to or with a former employer where the basis of such violation relates to such employee's employment with the Company or any of its Subsidiaries or actions undertaken by the employee while employed with the Company or any of its Subsidiaries. **"Intellectual Property"** shall mean all patents, patent applications, trade and service marks, trade and service mark registrations, trade names, copyrights, licenses, inventions, trade secrets, domain names, technology, know-how and other intellectual property.

(xv) Neither the Company nor any of its Subsidiaries is (A) in violation of its certificate of formation, or similar organizational documents, each as amended to date, or (B) in breach of or otherwise in default, and no event has occurred which, with notice or lapse of time or both, would constitute such a default in the performance of any material obligation, agreement or condition contained in any bond, debenture, note, indenture, loan agreement, mortgage, deed of trust or any other material contract, lease or other instrument to which it is subject or by which any of them may be bound, or to which any of the material property or assets of the Company or any of its Subsidiaries is subject (collectively, the **"Material Contracts"**); or (C) in violation of any law or statute or any judgment, order, rule or regulation of any court or arbitrator or governmental or regulatory authority, except in the case of (B) and (C) above, as would not, individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect.

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(xvi) The Company and each of the Subsidiaries has timely filed all applicable federal, state, local, foreign and other income and franchise tax returns required to be filed and are not in default in the payment of any taxes which were payable pursuant to said returns or any assessments with respect thereto, other than any which the Company or any of its Subsidiaries is contesting in good faith, except where the failure to timely file or any default in payment would not reasonably be expected to result in a Material Adverse Effect. There is no pending dispute with any taxing authority relating to any of such returns, and the Company has no knowledge of any proposed liability for any tax to be imposed upon the properties or assets of the Company or any of its Subsidiaries for which there is not an adequate reserve reflected in the Company's financial statements included in the Registration Statement. There are no documentary, stamp or other issuance or transfer taxes or duties or similar fees or charges under U.S. federal law or the laws of any U.S. state, required to be paid in connection with the execution and delivery of this Agreement or the issuance, sale and delivery by the Company of the Shares.

(xvii) The Company has not distributed and will not distribute any prospectus or other offering material in connection with the Offering other than the Registration Statement the Prospectus or other materials permitted by the Securities Act to be distributed by the Company; provided, however, that the Company has not made and will not make any offer relating to the Shares that would constitute a "free writing prospectus" as defined in Rule 405 under the Securities Act, except in accordance with the provisions of Section 3(o) of this Agreement.

(xviii) The issuance and sale of the Shares as contemplated in this Agreement does not contravene the rules and regulations of Nasdaq. The Common Stock is registered pursuant to Section 12(b) of the Exchange Act and is listed on Nasdaq and the Company has taken no action designed to, or likely to have the effect of, terminating the registration of the Common Stock under the Exchange Act or delisting the Common Stock from Nasdaq nor, except as disclosed in the Registration Statement or the Prospectus, has the Company received any notification that the Commission or Nasdaq is contemplating terminating such registration or listing. Except as disclosed in the Registration Statement or the Prospectus, the Company has complied in all material respects with the applicable requirements of Nasdaq for maintenance of the listing of the Common Stock on Nasdaq. The Company has filed an application to include the Shares for listing on Nasdaq.

(xix) Other than the Subsidiaries, the Company does not own, directly or indirectly, any shares of stock or any other equity or long-term debt securities of any other corporation or have any equity interest in any other corporation, partnership, joint venture, association, trust or other entity.

(xx) Except as described in the Incorporated Documents, the Registration Statement and the Prospectus, the Company and each of its Subsidiaries have established and maintain systems of internal accounting controls sufficient to provide reasonable assurances that (A) transactions are executed in accordance with management's general or specific authorization; (B) transactions are recorded as necessary to permit preparation of financial statements in conformity with generally accepted accounting principles and to maintain accountability for assets; (C) access to assets is permitted only in accordance with management's general or specific authorization; and (D) amounts reflected on the Company's consolidated balance sheet for assets are compared with existing assets at reasonable intervals and appropriate action is taken with respect to any differences. Since the filing of the Company's Annual Report on Form 10-K for the fiscal year ended March 31, 2023 with the Commission, there has been (i) no new material weakness identified to the Company's board of directors (or committee thereof) in the Company's internal control over financial reporting (whether or not remediated) and (ii) no change in the Company's internal control over financial reporting that has materially affected, or is reasonably likely to materially affect, the Company's internal control over financial reporting.

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(xxi) The Company and each of the Subsidiaries: (A) is and at all times has been in material compliance with all United States (federal, state and local) and foreign statutes, rules, regulations, treaties, or guidance applicable to the Company or the Subsidiaries (**"Applicable Laws"**); (B) has not received any notice of adverse finding, warning letter, untitled letter or other correspondence or notice from any Governmental Authority (as defined below) alleging or asserting noncompliance with any Applicable Laws or any licenses, certificates, approvals, clearances, authorizations, permits and supplements or amendments thereto required by any such Applicable Laws (**"Authorizations"**); (C) has not received notice of any claim, action, suit, proceeding, hearing, enforcement, investigation, arbitration or other action from any Governmental Authority or third party alleging that any product operation or activity is in violation of any Applicable Laws or Authorizations and has no knowledge that any such Governmental Authority or third party intends to assert any such claim, litigation, arbitration, action, suit, investigation or proceeding; (D) has not received notice that any Governmental Authority has taken, is taking or intends to take action to limit, suspend, modify or revoke any Authorizations and the Company has no knowledge that any such Governmental Authority is considering such action; and (E) has filed, obtained, maintained or submitted all material reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments as required by any Applicable Laws or Authorizations and all such reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments were complete and correct in all material respects on the date filed (or were corrected or supplemented by a subsequent submission). **"Governmental Authority"** means any federal, provincial, state, local, foreign or other governmental or quasi-governmental agency or body or any other type of regulatory authority or body, including, without limitation, Nasdaq. The aggregate of all pending legal or governmental proceedings to which the Company or any Subsidiary is a party or of which any of their respective property or assets is the subject which are not described in the Registration Statement and the Prospectus, including ordinary routine litigation incidental to the business, would not result in a Material Adverse Effect.

(xxii) As to each product or product candidate subject to the jurisdiction of the FDA under the Federal Food, Drug and Cosmetic Act, as amended, and the regulations thereunder (**"FDCA"**) and/or the jurisdiction of the non-U.S. counterparts thereof that is currently being tested by the Company (or any of its Subsidiaries) (each such product, a **"Product"**), such Product is being tested by the Company in compliance with all applicable requirements under FDCA and/or similar laws, rules and regulations relating to registration, investigational use, premarket clearance, licensure, or application approval, good manufacturing practices, good laboratory practices, good clinical practices, product listing, quotas, advertising, record keeping and filing of reports, except where the failure to be in compliance would not have a Material Adverse Effect. Except as disclosed in the Registration Statement and the Prospectus, the Company currently has no products that have been approved by the FDA or any non-U.S. counterparts thereof to be manufactured, packaged, labeled, distributed, sold and/or marketed. There is no pending, completed or, to the Company's knowledge, threatened, action (including any lawsuit, arbitration, or legal or administrative or regulatory proceeding, charge, complaint, or investigation) against the Company and the Company has not received any written notice, warning letter or other communication from the FDA or any other governmental entity or any non-U.S. counterparts thereof, in either case which (i) contests the premarket clearance, licensure, registration

or approval of, the uses of, the distribution of, the manufacturing or packaging of, the testing of, the sale of, or the labeling and promotion of any Product, (ii) imposes a clinical hold on any clinical investigation by the Company, (iii) enters or proposes to enter into a consent decree of permanent injunction with the Company, or (iv) otherwise alleges any violation of any laws, rules or regulations by the Company, and which, either individually or in the aggregate, would have a Material Adverse Effect. The properties, business and operations of the Company have been and are being conducted in all material respects in accordance with all applicable laws, rules and regulations of the FDA and non-U.S. counterparts thereof. The Company has not been informed by the FDA or any non-U.S. counterparts thereof that such agency will prohibit the marketing, sale, license or use of any Product nor has the FDA or a non-U.S. counterpart thereof provided any written notice that could reasonably be expected to preclude the approval or the clearing for marketing of any Product.

(xxiii) The clinical, pre-clinical and other studies and tests (“**Studies**”) conducted by or on behalf of or sponsored by the Company (including its Subsidiaries) that are described in the Registration Statement and the Prospectus were and, if still pending, are, being conducted in accordance with all applicable statutes, laws, rules and regulations (including, without limitation, those administered by the FDA or by any foreign, federal, state or local governmental or regulatory authority performing functions similar to those performed by the FDA), as well as the protocols, procedures and controls designed and approved for such Studies and with standard medical and scientific research procedures. The descriptions of the results of such Studies that are described or referred to in the Registration Statement and the Prospectus are accurate and complete in all material respects and fairly present the data derived from such Studies. Except as disclosed in the Registration Statement and the Prospectus, the Company has not received any written notices or other correspondence from the FDA or any other foreign, federal, state or local governmental or regulatory authority performing functions similar to those performed by the FDA requiring the termination or suspension of such Studies, other than ordinary course communications with respect to modifications in connection with the design and implementation of such Studies.

(xxiv) The Company (including its Subsidiaries) has not failed to file with the applicable regulatory authorities (including the FDA or any foreign, federal, state or local governmental or regulatory authority performing functions similar to those performed by the FDA and having jurisdiction over the Company) any filing, declaration, listing, registration, report or submission that is required to be so filed for the Company’s business operation as currently conducted. All such filings were in material compliance with applicable laws when filed and no material deficiencies have been asserted in writing by any applicable regulatory authority (including, without limitation, the FDA or any foreign, federal, state or local governmental or regulatory authority performing functions similar to those performed by the FDA) with respect to any such filings, declarations, listings, registrations, reports or submissions.

(xxv) Other than as contemplated by this Agreement, the Company has not incurred any liability for any finder’s or broker’s fee or agent’s commission in connection with the execution and delivery of this Agreement or the consummation of the transactions contemplated hereby. The Company has not entered into any other sales agency agreements or other similar arrangements with any agent or any other representative in respect of “at the market” offerings of the Shares in accordance with Rule 415 under the Securities Act. The Company has not made any direct or indirect payments (in cash, securities or otherwise) to: (i) any person, as a finder’s fee, consulting fee or other compensation, in consideration of such person raising capital for the Company or introducing to the Company persons who raised or provided capital to the Company; (ii) to any FINRA member; or (iii) to any person or entity that has any direct or indirect affiliation or association with any FINRA member, within 180 days prior to the effective date of the Registration Statement. None of the Net Proceeds (as defined below) will be paid by the Company to any participating FINRA member or its affiliates, except as specifically authorized herein. No officer, director or, to the Company’s knowledge, any beneficial owner of 5% or more of the Company’s securities (whether debt or equity, registered or unregistered, regardless of the time acquired or the source from which derived) (any such individual or entity, a “**Company Affiliate**”) has any direct or indirect affiliation or association with any FINRA member; no Company Affiliate is an owner of stock or other securities of any member of FINRA (other than securities purchased on the open market); no Company Affiliate has made a subordinated loan to any member of FINRA. The Company has not issued any warrants or other securities or granted any options, directly or indirectly, to anyone who is a potential underwriter in the Offering or a related person of such an underwriter within the 180-day period prior to the initial filing date of the Registration Statement; no person to whom securities of the Company have been privately issued within the 180-day period prior to the initial filing date of the Registration Statement has any relationship or affiliation or association with any member of FINRA; and no FINRA member participating in the offering has a conflict of interest with the Company. For this purpose, a “conflict of interest” has the meaning ascribed to such term in FINRA Rule 5121(f)(5).

(xxvi) The Company and each of the Subsidiaries carries, or is covered by, insurance in such amounts and covering such risks as the Company reasonably believes are adequate for the conduct of their respective businesses and the value of their respective properties and as is customary for companies engaged in similar businesses in similar industries; all policies of insurance and any fidelity or surety bonds insuring the Company, each of its Subsidiaries and their respective businesses, assets, employees, officers and directors are in full force and effect; the Company and each of its Subsidiaries is in compliance with the terms of such policies and instruments in all material respects; there are no claims by the Company or any of the Subsidiaries under any such policy or instrument as to which any insurance company is denying liability or defending under a reservation of rights clause; neither the Company nor any of the Subsidiaries has been refused any insurance coverage sought or applied for; and the Company has no 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 at a cost that would not have a Material Adverse Effect.

(xxvii) The Company is not, and immediately after receipt of payment for the Shares, will not be, an “investment company” within the meaning of the Investment Company Act of 1940, as amended (the “**Investment Company Act**”), and will not be an entity “controlled” by an “investment company” within the meaning of the Investment Company Act. The Company currently intends to conduct its business in a manner so that it will not become subject to the Investment Company Act.

(xxviii) The Incorporated Documents, at the time they were or hereinafter are filed with the Commission, conformed and will conform in all material respects to the requirements of the Securities Act and the Exchange Act, to the extent applicable, and were filed on a timely basis with the Commission, and no Incorporated Document contained or will contain an untrue statement of a material fact or omitted to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading; provided, that, no representation is made herein regarding the representations, warranties and covenants, or any descriptions thereof, contained in any agreements or documents included as exhibits to the Incorporated Documents. There is no material document required to be described in the Registration Statement or the Prospectus or to be filed as an exhibit to the Registration Statement which was not described or filed as required. All material agreements of the Company and all agreements governing or evidencing any and all related party transactions have been filed with the Commission to the extent required under the Exchange Act. Neither the Company nor any Subsidiary has sent or received any communication regarding termination of, or intent not to renew, any of the contracts or agreements referred to or described in the Registration Statement and the Prospectus, or referred to or described in, or filed as an exhibit to, the Registration Statement or any Incorporated Document, and no such termination or non-renewal has been threatened by the Company or any of its Subsidiaries or, to the Company’s knowledge, any other party to any such contract or agreement. Any descriptions of the terms of any of the foregoing contracts and agreements that are contained in the Registration Statement and the Prospectus are accurate and complete in all material respects.

(xxix) The Company is in compliance in all material respects with all applicable provisions of the Sarbanes-Oxley Act and the rules and regulations of the Commission thereunder.

(xxx) Except as described in the Incorporated Documents, the Registration Statement and the Prospectus, the Company has established and maintains disclosure controls and procedures (within the meaning of Rule 13a-15(e) of the Exchange Act) and such controls and procedures are designed to ensure that information required to be disclosed in the reports that the Company files or submits under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the rules and forms of the Commission and that such information is accumulated and communicated to the Company’s management, including its Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure. The Company has utilized such controls and procedures in preparing and evaluating the disclosures in the

(xxxix) To the knowledge of the Company, neither the Company, the Subsidiaries, nor any director, officer, agent, employee or affiliate of the Company or any Subsidiary, has taken any action directly or indirectly, that would result in a violation by such persons of the FCPA (as defined below), including, without limitation, making use of the mails or any means or instrumentality of interstate commerce corruptly in furtherance of an offer, payment, promise to pay or authorization of the payment of any money, or other property, gift, promise to give, or authorization of the giving of anything of value to any "Foreign official" (as such term is defined in the FCPA) or any foreign political party or official thereof or any candidate for foreign political office, in contravention of the FCPA, and the Company and each of its Subsidiaries has conducted its business in compliance with the FCPA and has instituted and maintains policies and procedures designed to ensure, and which are reasonably expected to continue to ensure, continued compliance therewith. "**FCPA**" means the Foreign Corrupt Practices Act of 1977, as amended, and the rules and regulations thereunder.

(xxxix) The Company and each of its Subsidiaries have complied in all material respects with the money laundering statutes of applicable jurisdictions, the rules and regulations thereunder and any related or similar rules, regulations or guidelines, issued, administered or enforced by applicable governmental agencies (collectively, the "**Money Laundering Laws**"), and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company or any of its Subsidiaries with respect to the Money Laundering Laws is pending or, to the knowledge of the Company, threatened.

(xxxix) Neither the Company, any of its Subsidiaries, nor, to the knowledge of the Company, any director, officer, employee, representative, agent, or affiliate of the Company or any of its Subsidiaries is currently subject to any U.S. sanctions administered by the Office of Foreign Assets Control of the U.S. Department of the Treasury.

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(xxxiv) No transaction has occurred or agreement or understanding entered into between or among the Company or any of its Subsidiaries on the one hand, and any officer, director or 5% or greater stockholder of the Company or any Subsidiary of the Company or any affiliate or affiliates of any such officer, director or 5% or greater stockholder that is required to be described that is not so described in or incorporated by reference into the Registration Statement and the Prospectus. Neither the Company nor any of its Subsidiaries has, directly or indirectly, extended or maintained credit, or arranged for the extension of credit, or renewed an extension of credit, in the form of a personal loan to or for any of its directors or executive officers in violation of applicable laws, including Section 402 of the Sarbanes-Oxley Act.

(xxxv) (a) Neither the Company nor any of its Subsidiaries is in violation of any applicable international, national, state or local convention, law, regulation, order, government license, convention, treaty (including those promulgated by the International Maritime Organization) or other requirement relating to pollution or protection of human health or safety (as they relate to exposure to Materials of Environmental Concern (as defined below)) or protection of the environment (including, without limitation, ambient air, surface water, groundwater, land surface or subsurface strata) or protection of natural resources, including without limitation, conventions, laws or regulations relating to emissions, discharges, releases or threatened releases of chemicals, pollutants, contaminants, wastes, toxic substances, hazardous substances, petroleum, petroleum products or other hydrocarbons (collectively, "**Materials of Environmental Concern**"), or otherwise relating to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Materials of Environmental Concern (collectively, "**Environmental Laws**"), nor has the Company or any Subsidiary received any written communication, whether from a Governmental Authority, citizens group, employee or otherwise, that alleges that the Company or any such Subsidiary is in violation of any Environmental Law or governmental license required pursuant to Environmental Law; except, in each case, as would not, individually or in the aggregate, have a Material Adverse Effect; (b) there is no claim, action or cause of action filed with a court or Governmental Authority and no investigation, or other action with respect to which the Company or any Subsidiary has received written notice alleging potential liability for investigatory costs, cleanup costs, governmental response costs, natural resources damages, property damages, personal injuries, attorneys' fees or penalties arising out of, based on or resulting from the presence, or release into the environment, of any Material of Environmental Concern at any location owned, leased or operated by the Company or any Subsidiary, now or in the past, or from any asset owned, leased or operated by the Company or any Subsidiary, now or in the past (collectively, "**Environmental Claim**"), pending or, to the knowledge of the Company, threatened against the Company or any Subsidiary or any person or entity whose liability for any Environmental Claim the Company or any Subsidiary has retained or assumed either contractually or by operation of law, except as would not, individually or in the aggregate, have a Material Adverse Effect; (c) to the knowledge of the Company, there are no past or present actions, activities, circumstances, conditions, events or incidents, including, without limitation, the release, emission, discharge, presence or disposal of any Material of Environmental Concern, that reasonably would be expected to result in a violation of any Environmental Law, require expenditures to be incurred pursuant to Environmental Law, or form the basis of an Environmental Claim against the Company, any Subsidiary or any person or entity whose liability for any Environmental Claim the Company or any Subsidiary has retained or assumed either contractually or by operation of law, except as would not, individually or in the aggregate, have a Material Adverse Effect; and (d) none of the Company or any Subsidiary is subject to any pending proceeding under Environmental Law to which a Governmental Authority is a party and which the Company reasonably believes is likely to result in monetary sanctions of \$100,000 or more. Any existing compliance and remediation costs and liabilities arising under Environmental Laws and resulting from the business, operations or properties of the Company or any Subsidiary would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect. No facts or circumstances have come to the Company's attention that could result in costs or liabilities that would be expected, individually or in the aggregate, to have a Material Adverse Effect.

(xxxvi) The Company and each of the Subsidiaries (A) is in compliance, in all material respects, with applicable foreign, federal, state and local laws, rules, regulations, statutes and codes promulgated by applicable governmental authorities (including pursuant to the Occupational Health and Safety Act) relating to the protection of human health and safety in the workplace ("**Occupational Laws**"); (B) has received all material permits, licenses or other approvals required of it under applicable Occupational Laws to conduct its business as currently conducted; and (C) is in compliance, in all material respects, with all terms and conditions of such permits, licenses or approvals. No material action, proceeding, revocation proceeding, writ, injunction or claim is pending or, to the Company's knowledge, threatened against the Company or any of its Subsidiaries relating to Occupational Laws, and the Company does not have knowledge of any facts, circumstances or developments relating to its operations or cost accounting practices that would reasonably be expected to form the basis for or give rise to such actions, proceedings, writs, injunctions, claims or investigations.

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(xxxvii) No material labor problem or dispute with the employees of the Company or any of its Subsidiaries exists or, to the knowledge of the Company, is threatened or imminent. The Company is in compliance in all material respects with the labor and employment laws and collective bargaining agreements and extension orders applicable to its employees.

(xxxviii) The Company has not, and to its knowledge no one acting on its behalf has, (a) 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 Shares, (b) sold, bid for, purchased, or paid any compensation for soliciting purchases of, any of the Shares or (c) 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 (b) and (c), compensation paid to the Agent in connection with the sale of the Shares.

(xxxix) Other than the Agent, no person or entity has the right to act as a placement agent, underwriter or financial advisor in connection with the sale of the Shares contemplate hereby, and the Company is not a party to any agreement with an agent or underwriter for any other "at the market" offering or continuous equity transaction.

(xl) There is no transaction, arrangement or other relationship between the Company or any of its Subsidiaries and an unconsolidated or other off balance sheet entity that is required to be disclosed by the Company in the Registration Statement or the Prospectus and is not so disclosed or that otherwise would be reasonably likely to have a Material Adverse Effect.

(xli) None of the Company, its Subsidiaries, or any of their respective affiliates, nor any person or entity acting on their behalf (excluding the Agent) has, prior to the date hereof, made any offers or sales of any security or solicited any offers to buy any security, under circumstances that would cause the transactions contemplated by this Agreement to require the approval of stockholders of the Company under any applicable stockholder approval provisions, including, without limitation, under the rules and regulations of Nasdaq. None of the Company, its Subsidiaries, their affiliates nor any person or entity acting on their behalf will take any action or steps that would cause the Offering hereunder to be integrated with other offerings of securities of the Company.

(xlii) Any statistical and market-related data included in the Registration Statement and the Prospectus are based on or derived from sources that the Company believes to be reliable and accurate and, to the extent required, the Company has obtained the written consent to the use of such data from such sources.

(xliii) The Registration Statement is not the subject of a pending proceeding or examination under Section 8(d) or 8(e) of the Securities Act, and the Company is not the subject of a pending proceeding under Section 8A of the Securities Act in connection with the offering of the Shares.

(xliv) The Company and its ERISA Affiliates (as defined hereafter) maintain one or more “employee benefit plans,” as defined in Section 3(3) of the Employee Retirement Income Security Act of 1974, as amended (“**ERISA**”). The plan(s) is/are referred to collectively herein as the “Employee Plans.” An “ERISA Affiliate” of any person or entity means any other person or entity that, together with that person or entity, could be treated as a single employer under Section 414(b), (c), (m) or (o) of the Internal Revenue Code of 1986, as amended (the “**Code**”). Each Employee Plan has been maintained in material compliance with its terms and the requirements of applicable law. No Employee Plan is subject to Title IV of ERISA. The Registration Statement, Preliminary Prospectus and the Prospectus identify each material employment, severance or other similar agreement, arrangement or policy that is required to be disclosed pursuant to the Rules and Regulations providing for insurance coverage (including any self-insured arrangements), workers’ compensation, disability benefits, severance benefits, supplemental unemployment benefits, vacation benefits or retirement benefits, or deferred compensation, profit-sharing, bonuses, stock options, stock appreciation rights or other forms of incentive compensation, or post-retirement insurance, compensation or benefits that: (i) is not an Employee Plan; (ii) is entered into, maintained or contributed to, as the case may be, by the Company or any of its ERISA Affiliates; and (iii) covers any officer or director or former officer or director of the Company or any of its ERISA Affiliates. These agreements, arrangements, policies or plans are referred to collectively as “Benefit Arrangements”. Each Benefit Arrangement has been maintained in material compliance with its terms and with the requirements of applicable law. Except as disclosed in the Registration Statement, Preliminary Prospectus and the Prospectus, there is no liability in respect of post-retirement health and medical benefits for retired employees of the Company or any of its ERISA Affiliates, other than medical benefits required to be continued under applicable law. No non-exempt “prohibited transaction” (as defined in either Section 406 of ERISA or Section 4975 of the Code) has occurred with respect to any Employee Plan and each Employee Plan that is intended to be qualified under Section 401(a) of the Code is so qualified, and nothing has occurred, whether by action or by failure to act, that could cause the loss of such qualification. Except as disclosed in the Registration Statement and the Prospectus, neither the execution of this Agreement nor the consummation of the Offering, constitutes a triggering event under any Benefit Arrangement or any other employment contract, whether or not legally enforceable, which (either alone or upon the occurrence of any additional or subsequent event) will or may result in any payment (of severance pay or otherwise), acceleration, increase in vesting or increase in benefits to any current or former participant, employee or director of the Company other than an event that is not material to the financial condition or business of the Company.

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(xlv) Neither the Company nor any Subsidiary or any of their respective properties or assets has any immunity from the jurisdiction of any court or from any legal process (whether through service or notice, attachment prior to judgment, attachment in aid of execution or otherwise) under the laws of the United States or any political subdivisions thereof.

(xlv) The Company is not a “foreign private issuer” as defined in Rule 405 promulgated under the Securities Act.

(xlvii) The Company did not qualify as a “passive foreign investment company” within the meaning of Section 1297 of the United States Internal Revenue Code of 1986, as amended, for its most recently completed taxable year, if any.

(xlviii) Each “forward-looking statement” (within the meaning of Section 27A of the Securities Act or Section 21E of the Exchange Act) contained in the Registration Statement and the Prospectus has been made or reaffirmed with a reasonable basis and has been disclosed in good faith.

(xlix) The interactive data in eXtensible Business Reporting Language included or incorporated by reference in the Registration Statement fairly presents the information called for in all material respects and has been prepared in accordance with the Commission’s rules and guidelines applicable thereto.

(l) The Company met or will meet the then applicable requirements for the use of Form S-3 under the Securities Act, including, but not limited to, General Instruction I.B.(6) of Form S-3, if and for so long as applicable.

(li) (i) (a) There has been no material security breach or other material compromise of or relating to any of the Company’s information technology and computer systems, networks, hardware, software, data (including the data of their respective customers, employees, suppliers, vendors and any third party data maintained by or on behalf of them), equipment or technology (collectively, “**IT Systems and Data**”) and any similar incident did not result in a legal or contractual obligation of the Company to notify any other person about such occurrence; and (b) the Company and the Subsidiaries have not been notified of, and have no knowledge of any event or condition that would reasonably be expected to result in, any material security breach or other material compromise to their IT Systems and Data; (ii) the Company is presently in compliance with all material applicable laws or statutes and all judgments, orders, rules and regulations of any court or arbitrator or governmental or regulatory authority, and contractual obligations relating to the privacy and security of IT Systems and Data and to the protection of such IT Systems and Data from unauthorized use, access, misappropriation or modification; (iii) the Company and the Subsidiaries have implemented and maintained commercially reasonable safeguards to maintain and protect its material confidential information and the integrity, continuous operation, redundancy and security of all IT Systems and Data; and (iv) the Company and the Subsidiaries have implemented backup and disaster recovery technology consistent with industry standards and practices.

(lii) To the knowledge of the Company, the biographies of the Company’s officers and directors incorporated into the Registration Statement are true and correct in all material respects and the Company has not become aware of any information which would cause the information disclosed in the questionnaires previously completed by the directors and officers of the Company to become inaccurate and incorrect in any material respect.

(liii) To the knowledge of the Company, no director or officer of the Company is subject to any non-competition agreement or non-solicitation agreement with any employer prior employer which could materially affect his or her ability to be and act in his or her respective capacity of the Company.

(liv) Except as set forth in the Registration Statement or the Prospectus or incorporated by reference therein, the Company is not a party to or subject to any employment contract or arrangement providing for annual future compensation, or the opportunity to earn annual future compensation (whether through fixed salary, bonus, commission, options or otherwise) of more than \$120,000 to any executive officer or director.

(lv) Neither the Company nor, to the Company’s knowledge, any of its employees or agents, has at any time during the last three years: (i) made any unlawful contribution to any candidate for foreign office, or failed to disclose fully any contribution in violation of law, or (ii) made any payment to any federal or state governmental officer or official or other person charged with similar public or quasi-public duties in the United States, other than payments that are not prohibited by the laws of the United States or any jurisdiction thereof.

(Ivi) The Company has not offered, or caused the Agent to offer, any Shares to any person or entity with the intention of unlawfully influencing: (i) a supplier of the Company to alter the supplier's level or type of business with the Company or (ii) a journalist or publication to write or publish favorable information about the Company.

(Ivii) None of the Company, its directors or officers or, to the Company's knowledge, any agent, employee, affiliate or other person acting on behalf of the Company has engaged in any activities sanctionable under the Comprehensive Iran Sanctions, Accountability, and Divestment Act of 2010, the Iran Sanctions Act of 1996, the National Defense Authorization Act for Fiscal Year 2012, the Iran Threat Reduction and Syria Human Rights Act of 2012 or any Executive Order relating to any of the foregoing (collectively, and as each may be amended from time to time, the "**Iran Sanctions**"); and the Company will not directly or indirectly use the proceeds of the Offering, or lend, contribute or otherwise make available such proceeds to any subsidiary, joint venture partner or other person or entity, for the purpose of engaging in any activities sanctionable under the Iran Sanctions.

(Iviii) The Company's information technology assets and equipment, computers, systems, networks, hardware, software, websites, applications, and databases (collectively, "**IT Systems**") are adequate for, and operate and perform in all material respects as required in connection with the operation of the business of the Company as currently conducted, and to the Company's knowledge, after diligent inquiry are free and clear of all material bugs, errors, defects, Trojan horses, time bombs, malware and other corruptants that would reasonably be expected to have a Material Adverse Effect on the Company's business. The Company has implemented and maintained commercially reasonable physical, technical and administrative controls, policies, procedures, and safeguards to maintain and protect their material confidential information and the integrity, continuous operation, redundancy and security of all IT Systems and data (including all personal, personally identifiable, sensitive, confidential or regulated data ("**Personal Data**") used in connection with their businesses. To the Company's knowledge, after diligent inquiry, there have been no breaches, violations, outages or unauthorized uses of or access to the IT Systems or Personal Data in use or possession of the Company, and the Company is presently in compliance with all applicable laws or statutes and all judgments, orders, rules and regulations of any court or arbitrator or governmental or regulatory authority, internal policies and contractual obligations relating to the privacy and security of IT Systems and Personal Data and to the protection of such IT Systems and Personal Data from unauthorized use, access, misappropriation or modification, in each case, except for such breaches, violations, outages, unauthorized uses of or access to, or non-compliance, as would not, individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect.

(lix) The Company is and to its knowledge, after diligent inquiry, in compliance with all applicable state, federal, and international data privacy and security laws and regulations (collectively, the "**Privacy Laws**"), except where the failure to so comply would not reasonably be expected to result in a Material Adverse Effect. To ensure compliance with the Privacy Laws, the Company has in place and take appropriate steps reasonably designed to ensure compliance in all material respects with their policies and procedures relating to data privacy and security and the collection, storage, use, disclosure, handling, and analysis of Personal Data (the "**Policies**"). The Company has made all disclosures to users or customers required by applicable laws and regulatory rules or requirements, and none of such disclosures made or contained in any Policy have, to the knowledge of the Company, been inaccurate or in violation of any applicable laws and regulatory rules or requirements, except for any disclosures, inaccuracies or violations that would not reasonably be expected to result in a Material Adverse Effect. The Company further certifies that it: (i) has not received notice of any actual or potential liability under or relating to, or actual or potential violation of, any of the Privacy Laws, and has no knowledge of any event or condition that would reasonably be expected to result in any such notice; (ii) is not currently conducting or paying for, in whole or in part, any investigation, remediation, or other corrective action pursuant to any Privacy Law; or (iii) is not a party to any order, decree, or agreement that imposes any obligation or liability under any Privacy Law, in each case except as would not, individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect.

(b) Any certificate signed by any officer of the Company and delivered to the Agent or the Agent's counsel shall be deemed a representation and warranty by the Company the Agent as to the matters covered thereby.

(c) At the effective date of the Registration Statement, each Bringdown Date and each Time of Sale, the Company shall be deemed to have affirmed each representation and warranty contained in or made pursuant to this Agreement as of such date as though made at and as of such date (except that such representations and warranties shall be deemed to relate to the Registration Statement and the Prospectus, as amended and supplemented, relating to such Shares on such date).

(d) As used in this Agreement, references to matters being "**material**" with respect to the Company shall mean a material event, change, condition, status or effect related to condition (financial or otherwise), properties, assets (including intangible assets), liabilities, business, prospects, operations or results of operations of the Company, either individually or taken as a whole, as the context requires.

(e) As used in this Agreement, the term "**to the Company's knowledge**" (or similar language) shall mean the knowledge of the executive officers and directors of the Company who are named in the Prospectus, with the assumption that such executive officers and directors shall have made reasonable and diligent inquiry of the matters presented (with reference to what is customary and prudent for the applicable individuals in connection with the discharge by the applicable individuals of their duties as executive officers or directors of the Company).

2. Purchase, Sale and Delivery of Shares, Trading.

(a) **At the Market Sales.** On the basis of the representations, warranties and agreements herein, the Company agrees that, from time to time during the term of this Agreement on the terms and subject to the conditions set forth herein, it may issue and sell through the Agent, acting as sales agent, the Shares; provided, however, that in no event shall the Company issue or sell through the Agent such number of Shares that (a) exceeds the number or dollar amount of Common Stock registered on the Registration Statement and covered by the Prospectus relating to the offering of the Shares, pursuant to which the Offering is being made, (b) exceeds the number of authorized but unissued shares of Common Stock under the Charter, or (c) would cause the Company or the offering of the Shares to not satisfy the eligibility and transaction requirements for use of Form S-3 (including, if applicable, General Instruction I.B.6 of Form S-3) (the lesser of (a), (b), and (c), the "**Maximum Amount**"). Notwithstanding anything to the contrary contained herein, the parties hereto agree that compliance with the limitations set forth in this Section 2(a) on the number and aggregate sales price of Shares issued and sold under this Agreement shall be the sole responsibility of the Company and that Agent shall have no obligation in connection with such compliance. Notwithstanding the foregoing, the Company agrees that it will provide the Agent with written notice no less than one business day prior to the date on which it intends to instruct the Agent to make the initial sale of Shares under this Agreement. As used herein, the terms "**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 that banks shall not be deemed to be authorized or obligated to be closed due to a "shelter in place," "non-essential employee" or similar closure of physical branch locations at the direction of any governmental authority if such banks' electronic funds transfer systems (including for wire transfers) are open for use by customers on such day.

(i) For purposes of selling the Shares through the Agent, the Company hereby appoints the Agent as exclusive agent of the Company for the purpose of soliciting purchases of the Shares from the Company pursuant to this Agreement and the Agent agrees to use its commercially reasonable efforts to sell the Shares on the terms and subject to the conditions stated herein.

(ii) Each time the Company wishes to issue and sell the Shares hereunder (each, a "**Transaction**"), it will notify the Agent by telephone (confirmed promptly by e-mail to the appropriate individual listed on Schedule D hereto), using a form substantially similar to that set forth on Schedule C hereto (a "**Transaction Notice**") as to the maximum number or dollar amount of Shares to be sold by the Agent on such day (which in any event shall not be in excess of the Maximum Amount), the time period during which sales are requested to be made, any limitation on the number of shares that may be sold in any one Trading Day (as defined below), and any minimum price below which sales may not be made. The Transaction Notice shall originate from any of the individuals from the Company set forth on Schedule B (with a copy to each of the other individuals from the Company listed on such Schedule), and shall be addressed to each of the individuals from the Agent set forth on Schedule D, as such Schedule B and Schedule D may be amended from time to time. The Transaction Notice shall be effective upon receipt by the Agent unless and until (i) the Agent declines to accept for any reason, in its sole discretion, (ii) the entire amount of the

Shares have been sold, (iii) the Company suspends or terminates the Transaction Notice in accordance with the notice requirements set forth in this Section 2, (iv) the Company issues a subsequent Transaction Notice with parameters superseding those on the earlier dated Transaction Notice, or (v) this Agreement has been terminated under the provisions of Section 7. Subject to the terms and conditions hereof and unless the sale of the Shares described therein has been declined, suspended, or otherwise terminated in accordance with the terms of this Agreement, the Agent shall promptly acknowledge the Transaction Notice by e-mail (or by some other method mutually agreed to in writing by the parties) and shall use its commercially reasonable efforts to sell all of the Shares so designated by the Company in, and in accordance with the terms set forth in, the Transaction Notice; provided, however, that any obligation of the Agent to use such commercially reasonable efforts shall be subject to the continuing accuracy of the representations and warranties of the Company herein, to the performance by the Company of its obligations hereunder and to the continuing satisfaction of the additional conditions specified in Section 4 of this Agreement. The gross sales price of the Shares sold under this Section 2(a) shall be equal to the market price for the Common Stock sold by the Agent under this Section 2(a) on Nasdaq at the time of such sale. For the purposes hereof, “**Trading Day**” means any day on which shares of Common Stock are purchased and sold on the principal market on which the Common Stock is listed or quoted.

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(iii) The Company or the Agent may, upon notice to the other party hereto by telephone (confirmed promptly by e-mail to the respective individuals of the other party set forth on Schedule D hereto, which confirmation shall be promptly acknowledged by the other party), suspend the Offering for any reason and at any time, whereupon the Agent shall so suspend the offering of Shares until further notice is provided by the other party to the contrary; provided, however, that such suspension or termination shall not affect or impair the parties’ respective obligations with respect to the Shares sold hereunder prior to the receipt by the Agent of such notice. Each of the parties agrees that no such notice under this Section 2(a)(iii) shall be effective against the other unless it is made to one of the individuals named on Schedule D hereto, as such Schedule may be amended from time to time.

(iv) The Company acknowledges and agrees that (A) there can be no assurance that the Agent will be successful in selling the Shares, (B) the Agent will incur no liability or obligation to the Company or any other person or entity if it does not sell Shares for any reason other than a failure by the Agent to use its commercially reasonable efforts consistent with its normal trading and sales practices and applicable law and regulations to sell such Shares as required under this Agreement, and (C) the Agent shall be under no obligation to purchase Shares on a principal basis pursuant to this Agreement.

(v) The Agent may sell Shares by any method permitted by law to be an “at the market offering” as used in Rule 415 under the Securities Act, including, without limitation, sales made directly on Nasdaq, on any other existing trading market for the Common Stock or to or through a market maker. The Agent may also sell Shares in privately negotiated transactions (which, for the avoidance of doubt, shall not include block trades initiated on Nasdaq) with the Company’s prior written approval.

(vi) The compensation to the Agent for sales of the Shares, as an agent of the Company, shall be a cash transaction fee equal to three percent (3%) (the “**Transaction Fee**”) of the gross sales price of all of Shares sold pursuant to this Section 2. The remaining proceeds, after further deduction for any applicable transaction or other fees imposed by any governmental or self-regulatory organization in respect of such sales, shall constitute the net proceeds to the Company for such Shares (the “**Net Proceeds**”). The Agent shall notify the Company as promptly as practicable if any deduction referenced in the preceding sentence will be required.

(vii) The Agent shall provide written confirmation (which may be by electronic mail) to the Company following the close of trading on Nasdaq each day on which the Shares are sold under this Section 2(a) setting forth the number of the Shares sold on such day, the aggregate gross sale proceeds, the Net Proceeds to the Company, and the compensation payable by the Company to the Agent with respect to such sales.

(viii) All Shares sold pursuant to this Section 2 will be delivered by the Company to Agent for the accounts of the Agent on the second full business day following the date or which such Shares are sold, or at such other time and date as Agent and the Company determine pursuant to Rule 15c6-1(a) under the Exchange Act, each such time and date of delivery being herein referred to as a “**Settlement Date**.” On each Settlement Date, the Shares sold through the Agent for settlement on such date shall be issued and delivered by the Company to the Agent against payment of the Net Proceeds from the sale of such Shares. Settlement for all such Shares shall be effected by free delivery of the Shares by the Company or its transfer agent (i) to the Agent or its designee’s account (provided the Agent shall have given the Company written notice of such designee prior to the Settlement Date) at The Depository Trust Company (“**DTC**”) or (ii) by such other means of delivery as may be mutually agreed upon by the parties hereto, which in all cases (provided that such Shares were sold pursuant to the Registration Statement) shall be freely tradable, transferable, registered shares in good deliverable form, in return for payment in same day funds delivered to an account designated by the Company. If the Company or its transfer agent (if applicable) shall default on its obligation to deliver the Shares on any Settlement Date, the Company shall (A) indemnify and hold the Agent harmless against any loss, claim or damage arising from or as a result of such default by the Company and (B) pay the Agent any commission to which it would otherwise be entitled absent such default against payment of the Net Proceeds therefor by wire transfer of same day funds payable to the order of the Company at 9:00 a.m. New York City time.

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(ix) Under no circumstances shall the Company cause or request the offer or sale of any Shares if, after giving effect to the sale of such Shares, the aggregate gross sales proceeds sold pursuant to this Agreement would exceed the lesser of (A) together with all sales of Shares under this Agreement, the Maximum Amount, (B) the amount available for offer and sale under the currently effective Registration Statement and (C) the amount authorized from time to time to be issued and sold under this Agreement by the Company’s board of directors, a duly authorized committee thereof or a duly authorized executive committee, and notified to the Agent in writing. Under no circumstances shall the Company cause or request the offer or sale of any Shares at a price lower than the minimum price authorized from time to time by the Company’s board of directors, a duly authorized committee thereof or a duly authorized executive committee, and notified to the Agent in writing. Further, under no circumstances shall the aggregate offering amount of the Shares sold pursuant to this Agreement, including any separate underwriting or similar agreement covering principal transactions, exceed the Maximum Amount.

(x) Unless the exceptive provisions set forth in Rule 101(c)(1) of Regulation M under the Exchange Act are satisfied with respect to the Shares, the Company shall give the Agent at least one business day’s prior notice of its intent to instruct the Agent to sell any Shares in order to allow the Agent time to comply with Regulation M.

(xi) The Company agrees that during the term of this Agreement, any offer to sell, any solicitation of an offer to buy, or any sales of Shares in an “at the market offering” as defined in Rule 415 under the Securities Act, shall only be effected by or through the Agent; provided, however, that the foregoing limitation shall not apply to the exercise of any outstanding option or warrant described in the Registration Statement and the Prospectus.

(b) Nothing herein contained shall constitute the Agent as an unincorporated association or partner with the Company. Under no circumstances shall any Shares be sold pursuant to this Agreement after the date which is three years after the Registration Statement was first declared effective by the Commission.

(c) Notwithstanding any other provisions of this Agreement, the Company agrees that no sale of Shares shall take place, and the Company shall not request the sale of any Shares, and the Agent shall not be obligated to sell, during any period in which the Company is, or could be deemed to be, in possession of material non-public information.

(d) The Company agrees that the following trading restrictions shall apply to any Shares that may be issued under this Agreement: (i) no Shares may be sold below \$0.15 per Share, (ii) any sales of Shares between \$0.15-\$0.20 per Share will be restricted to 5% of the daily trading volume of the Common Stock, and (iii) any sales of Shares above \$0.20 per Share will be restricted to 15% of the daily trading volume of the Common Stock.

3. **Covenants.** The Company covenants and agrees with the Agent as follows:

(a) After the date hereof and through any Prospectus Delivery Period, prior to amending or supplementing the Registration Statement (including any Rule 462(b) Registration Statement), the Base Prospectus, Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus, the Company shall furnish to the Agent for review a copy of each such proposed amendment or supplement, allow the Agent a reasonable amount of time to review and comment on such proposed amendment or supplement, and the Company shall not file any such proposed amendment or supplement to which the Agent or counsel to the Agent reasonably object; provided, that the foregoing shall not apply with regards to the filing by the Company of any Annual Report on Form 10-K, Quarterly Report on Form 10-Q, Current Report on Form 8-K or other Incorporated Document. Subject to this Section 3(a), immediately following execution of this Agreement, if not previously prepared, the Company will prepare a prospectus supplement describing the selling terms of the Shares hereunder, the plan of distribution thereof and such other information as may be required by the Securities Act or as the Agent and the Company may deem appropriate, and if requested by the Agent, a Permitted Free Writing Prospectus containing the selling terms of the Shares hereunder and such other information as the Company and the Agent may deem appropriate, and will file or transmit for filing with the Commission, in accordance with Rule 424(b) or Rule 433, as the case may be, copies of the Prospectus as supplemented and each such Permitted Free Writing Prospectus.

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(b) After the date of this Agreement, the Company shall promptly advise the Agent in writing (i) of the receipt of any comments of, or requests for additional or supplemental information from, the Commission or for any amendments or supplements to the Registration Statement, the Base Prospectus, Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus (excluding any Incorporated Documents), (ii) of the time and date of any filing of any post-effective amendment to the Registration Statement or any amendment or supplement to any Base Prospectus, Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus (excluding any Incorporated Documents), (iii) of the time and date that any post-effective amendment to the Registration Statement becomes effective, (iv) of the issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement or any post-effective amendment thereto or of any order preventing or suspending its use or the use of any Base Prospectus, Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus, or (v) of any proceedings to remove, suspend or terminate from listing or quotation the Common Stock from any securities exchange upon which it is listed for trading or included or designated for quotation, or of the threatening or initiation of any proceedings for any of such purposes. If the Commission shall enter any such stop order at any time, the Company will use all reasonable efforts to obtain the lifting of such orders at the earliest possible time. Additionally, the Company agrees that it shall comply with the provisions of Rules 424(b), 430B and 430C, as applicable, under the Securities Act and will use its reasonable efforts to confirm that any filings made by the Company under Rule 424(b), Rule 433 or Rule 462 were received in a timely manner by the Commission (without reliance on Rule 424(b)(8) or Rule 164(b)).

(c) (i) From the date hereof through the later of (A) the termination of this Agreement and (B) the end of any applicable Prospectus Delivery Period, the Company will comply with all requirements imposed upon it by the Securities Act, as now and hereafter amended, and by the Rules and Regulations, as from time to time in force, and by the Exchange Act so far as necessary to permit the continuance of sales of or dealings in the Shares as contemplated by the provisions hereof, the Base Prospectus, Prospectus Supplement, the Prospectus and any Permitted Free Writing Prospectus. If during any applicable Prospectus Delivery Period any event occurs as a result of which the Base Prospectus, Prospectus Supplement, the Prospectus, or any Permitted Free Writing Prospectus would include an untrue statement of a material fact or omit to state a material fact necessary to make the statements therein, in the light of the circumstances then existing, not misleading, or if during any applicable Prospectus Delivery Period it is necessary or appropriate in the opinion of the Company or its counsel, or in the reasonable opinion of the Agent or counsel to the Agent to amend the Registration Statement or supplement the Base Prospectus, Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus, to comply with the Securities Act or to file under the Exchange Act any document which would be deemed to be incorporated by reference in the Prospectus in order to comply with the Securities Act or the Exchange Act, the Company will promptly notify the Agent (or the Agent will notify the Company, as applicable), and the Agent shall suspend the offering and sale of any such Shares, and the Company will amend the Registration Statement or supplement the Base Prospectus, Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus or file such document (at the expense of the Company) so as to correct such statement or omission or effect such compliance within the time period prescribed by the Securities Act or the Exchange Act.

(ii) In case the Agent is required to deliver (whether physically or through compliance with Rule 172 under the Securities Act or any similar rule), in connection with the sale of the Shares, a Prospectus after the nine-month period referred to in Section 10(a)(3) of the Securities Act, or after the time a post-effective amendment to the Registration Statement is required pursuant to Item 512(a) of Regulation S-K under the Securities Act, the Company will prepare, at its expense, promptly upon request such amendment or amendments to the Registration Statement and the Prospectus as may be necessary to permit compliance with the requirements of Section 10(a)(3) of the Securities Act or Item 512(a) of Regulation S-K under the Securities Act, as the case may be. The Company shall cause each amendment or supplement to any Base Prospectus or the Prospectus to be filed with the Commission as required pursuant to the applicable paragraph of Rule 424(b) of the Securities Act or, in the case of any document which would be deemed to be incorporated by reference therein, to be filed with the Commission as required pursuant to the Exchange Act, within the time period prescribed. The Company shall promptly notify the Agent if any Material Contract is terminated or if the other party thereto gives written notice of its intent to terminate any such Material Contract.

(iii) If at any time following issuance of a Permitted Free Writing Prospectus there occurs an event or development as a result of which such Permitted Free Writing Prospectus would conflict with the information contained in the Registration Statement, the Base Prospectus, Prospectus Supplement or the Prospectus, or would include an untrue statement of a material fact or would omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances prevailing at that subsequent time, not misleading, the Company promptly will notify the Agent and will promptly amend or supplement, at its own expense, such Permitted Free Writing Prospectus to eliminate or correct such conflict, untrue statement or omission.

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(d) The Company shall use commercially reasonable efforts to take or cause to be taken all necessary action to qualify the Shares for sale under the securities laws of such jurisdictions as the Agent reasonably designates, if applicable, and to continue such qualifications in effect so long as required for the distribution of the Shares, except that the Company shall not be required in connection therewith to qualify as a foreign corporation or to execute a general consent to service of process in any state. The Company shall promptly advise the Agent of the receipt by the Company of any notification with respect to the suspension of the qualification of the Shares for offer or sale in any jurisdiction or the initiation or threatening of any proceeding for such purpose.

(e) The Company will furnish to the Agent and counsel for the Agent, to the extent requested, copies of the Registration Statement, the Base Prospectus, Prospectus Supplement, the Prospectus, any Permitted Free Writing Prospectus, and all amendments and supplements to such documents, in each case as soon as available and in such quantities as the Agent may from time-to-time reasonably request.

(f) The Company will make generally available to its security holders as soon as practicable an earnings statement (which need not be audited) covering a 12-month period that shall satisfy the provisions of Section 11(a) of the Securities Act and Rule 158 of the Rules and Regulations. If the Company makes any public announcement or release disclosing its results of operations or financial condition for a completed quarterly or annual fiscal period (each, an “*Earnings Release*”) and the Company has not yet filed an Annual Report on Form 10-K or a Quarterly Report on Form 10-Q with respect to such information, as applicable, then, prior to any sale of Shares, the Company shall be obligated to (x) file a prospectus supplement with the Commission under the applicable paragraph of Rule 424(b), which prospectus supplement shall include the applicable financial information or (y) file a Current Report on Form 8-K, which Current Report on Form 8-K shall include the applicable financial information.

(g) The Company, whether or not the transactions contemplated hereunder are consummated or this Agreement is terminated, will pay or cause to be paid (i) all expenses (including stock or transfer taxes and stamp or similar duties allocated to the respective transferees) incurred in connection with the registration, issue, sale and delivery of the

Shares, (ii) all reasonable expenses and fees (including, without limitation, fees and expenses of the Company's accountants and counsel) in connection with the preparation, printing, filing, delivery, and shipping of the Registration Statement (including the financial statements therein and all amendments, schedules, and exhibits thereto), the Base Prospectus, each Prospectus Supplement, Prospectus, any Permitted Free Writing Prospectus, and any amendment thereof or supplement thereto, and the producing, word-processing, printing, delivery, and shipping of this Agreement and other closing documents, including Blue Sky Memoranda (covering the states and other applicable jurisdictions) prepared by counsel, if required, and including the cost to furnish copies of each thereof to the Agent, (iii) all filing fees, (iv) listing fees, if any, and (v) all other costs and expenses of the Company incident to the performance of its obligations hereunder that are not otherwise specifically provided for herein. The Company shall reimburse the Agent upon request for its reasonable costs and out-of-pocket expenses incurred in connection with this Agreement, including the fees and disbursements of its legal counsel, not to exceed (except in the case of legal fees and disbursements as provided for below), without the approval of the Company: (i) \$20,000 in connection with the establishment of the Offering; (ii) \$3,000 on a quarterly basis thereafter for so long as the Sales Agreement remains in effect and Maxim performs quarterly due diligence relating to the Company; and (iii) \$20,000 each time the Company increases the number of Securities being sold in the Offering. In addition, the Company shall pay the Agent \$3,500 for its legal fees on each Bringdown Date. All such reimbursements under this Agreement shall be paid in U.S. dollars.

(h) The Company will apply the Net Proceeds in the manner set forth under the caption "Use of Proceeds" in the Base Prospectus, Prospectus Supplement, the Prospectus, or any Permitted Free Writing Prospectus.

(i) During the Term, the Company will not, without (i) giving the Agent at least five business days' prior written notice specifying the nature of the proposed sale and the effect of such proposed sale and (ii) the Agent's suspending activity under this Agreement for such period of time as requested by the Company or as deemed appropriate by the Agent in light of the proposed sale, offer for sale, sell, contract to sell, pledge, grant any option for the sale of, enter into any transaction which is designed to, or might reasonably be expected to, result in the disposition (whether by actual disposition or effective economic disposition due to cash settlement or otherwise) by the Company or any Subsidiary, or otherwise issue or dispose of, directly or indirectly (or publicly disclose the intention to make any such offer, sale, pledge, grant, issuance or other disposition), of any Common Stock or any securities convertible into or exchangeable for, or any options or rights to purchase or acquire, Common Stock, or permit the registration under the Securities Act of any Common Stock, such securities, options or rights, except for (i) the registration of the Shares and the sales through the Agent pursuant to this Agreement (ii) the registration of Common Stock issued or issuable with respect to any currently outstanding stock options and warrants that are described in the Registration Statement and the Prospectus or that maybe issued pursuant to any Company benefit plan, (iii) a registration statement on Form S-8 relating to employee benefit plans; and (iv) in connection with potential bona fide merger and acquisition transactions.

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(j) The Company shall not, at any time at or after the execution of this Agreement, offer or sell any Shares by means of any "prospectus" (within the meaning of the Securities Act), or use any "prospectus" (within the meaning of the Securities Act) in connection with the offer or sale of the Shares, in each case other than the Prospectus or any Permitted Free Writing Prospectus.

(k) The Company has not taken and will not take, directly or indirectly, any action designed to, that would constitute, or that might reasonably be expected to cause or result in, the stabilization or manipulation of the price of any security of the Company in violation of the Securities Act or the Exchange Act to facilitate the sale or resale of the Shares or otherwise violate any provision of Regulation M under the Exchange Act. The Company shall notify the Agent of any such violation by the Company or any of its officers or directors promptly after the Company has received notice or obtained knowledge of any such violation.

(l) The Company will not incur any liability for any finder's or broker's fee or agent's commission in connection with the execution and delivery of this Agreement or the consummation of the transactions contemplated hereby, except as contemplated herein.

(m) During any applicable Prospectus Delivery Period (including in circumstances where such requirement may be satisfied pursuant to Rule 172, 173 or any similar rule), the Company will file all documents required to be filed with the Commission pursuant to the Exchange Act within the time periods required by the Exchange Act.

(n) The Company has maintained and will maintain, such controls and other procedures, including without limitation those required by Sections 302 and 906 of the Sarbanes Oxley Act and the applicable regulations thereunder, that are designed to ensure that information required to be disclosed by the Company in the reports that 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, including without limitation, controls and procedures designed to ensure that information required to be disclosed by the Company in the reports that it files or submits under the Exchange Act is accumulated and communicated to the Company's management, including its principal executive officer and its principal financial officer, or persons performing similar functions, as appropriate to allow timely decisions regarding required disclosure, to ensure that material information relating to Company is made known to them by others within those entities.

(o) Each of the Company and Agent represent and agree that, neither the Company nor the Agent has made or will make any offer relating to the Shares that would constitute an "issuer free writing prospectus," as defined in Rule 433 under the Securities Act, or that would otherwise constitute a "free writing prospectus," as defined in Rule 405 under the Securities Act, required to be filed with the Commission other than a Permitted Free Writing Prospectus. The Company represents that it has treated or agrees that it will treat each Permitted Free Writing Prospectus as an "issuer free writing prospectus," as defined in Rule 433, and has complied and will comply with the requirements of Rule 433 applicable to any Permitted Free Writing Prospectus, including timely Commission filing where required, legending and record keeping.

(p) On the date hereof and each date when the Company (A) amends or supplements (other than a supplement to a Prospectus filed pursuant to Rule 424(b) under the Securities Act relating solely to the offering of securities other than the Shares) the Registration Statement or Prospectus by means of a post-effective amendment, sticker, or supplement but not by means of incorporation of documents by reference into the Registration Statement or the Prospectus relating to the Shares, (B) files an Annual Report on Form 10-K (including any Form 10-K/A containing amended material financial information or a material amendment to the previously filed Form 10-K) or (C) files a Quarterly Report on Form 10-Q containing quarterly financial information that is incorporated by reference in the Registration Statement and Prospectus (each of the dates in (A) through (C) are referred to herein as a "**Bringdown Date**"), the Agent shall receive a favorable opinion of corporate and intellectual property counsel for the Company, dated as of a date within 10 Business Days after the applicable Bringdown Date, addressed to the Agent and modified as necessary to relate to the Registration Statement and the Prospectus as amended and supplemented to the time of delivery of such opinions. With respect to this Section 3(p), in lieu of delivering such opinions or letters for Bringdown Dates subsequent to the date hereof, such counsel may furnish Agent with a letter (a "**Reliance Letter**") to the effect that Agent may rely upon a prior opinion or letter delivered under this Section 3(p) to the same extent as if it were dated the date of such letter (except that statements in such prior opinion shall be deemed to relate to the Registration Statement and the Prospectus as amended or supplemented as of the date of such Reliance Letter); provided, however, that the requirement to provide opinions and letters under this Section 3(p) is hereby waived for any Bringdown Date occurring at a time at which no Transaction Notice is pending, which waiver shall continue until the earlier to occur of the date the Company delivers a Transaction Notice hereunder and the next occurring Bringdown Date. Notwithstanding the foregoing, if the Company subsequently decides to sell Shares following a Bringdown Date when the Company relied on such waiver and did not provide Agent with opinions and letters under this Section 3(p), then before the Company delivers the Transaction Notice or the Agent sells any Shares, the Company shall cause its corporate and intellectual property counsel to furnish to the Agent written opinions or Reliance Letters dated the date of the Transaction Notice.

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(q) On the date hereof, and on each date when the Company files an Annual Report on Form 10-K or Quarterly Report on Form 10-Q containing financial information that is incorporated by reference in the Registration Statement and Prospectus, the Company shall cause the Auditor, or other independent accountants satisfactory to the Agent, to deliver

to the Agent (x) a customary comfort letter (the initial letter, the “**Initial Comfort Letter**”) addressed to Agent, in form and substance satisfactory to Agent, confirming that they are independent public accountants within the meaning of the Securities Act and are in compliance with the applicable requirements relating to the qualifications of accountants under Rule 2-01 of Regulation S-X of the Commission, and stating the conclusions and findings of said firm with respect to the financial information and other matters and (y) a letter updating the Initial Comfort Letter with any information that would have been included in the Initial Comfort Letter had it been given on such date and as modified as necessary to relate to the date of such letter (each, a “**Bringdown Comfort Letter**”); provided, however, the requirement to provide a Bringdown Comfort Letter under this Section 3(q) is hereby waived for any Bringdown Date occurring at a time at which no Transaction Notice is pending, which waiver shall continue until the earlier to occur of the date the Company delivers a Transaction Notice hereunder and the next occurring Bringdown Date. Notwithstanding the foregoing, if the Company subsequently decides to sell Shares following a Bringdown Date when the Company relied on such waiver and did not provide the Agent with a Bringdown Comfort Letter under this Section 3(q), then before the Company delivers the Transaction Notice or Agent sells any Shares, the Company shall cause the Auditor, or other independent accountants satisfactory to the Agent, to deliver to the Agent a Bringdown Comfort Letter dated the date of the Transaction Notice in form and substance acceptable to the Agent’s counsel.

(r) On or prior to the delivery of the first Transaction Notice issued hereunder and each Bringdown Date, the Company shall furnish to the Agent an officer’s certificate, dated as of a date within 10 days after the applicable Bringdown Date and addressed to the Agent, signed by the chief executive officer and by the chief financial officer of the Company, to the effect that:

(i) The representations and warranties of the Company in this Agreement are true and correct in all material respects as if made at and as of the date of the certificate, and the Company has complied in all material respects with all the agreements and satisfied all the conditions on its part to be performed or satisfied at or prior to the date of the certificate;

(ii) No stop order or other order suspending the effectiveness of the Registration Statement or any part thereof or any amendment thereof or the qualification of the Shares for offering or sale or notice that would prevent use of the Registration Statement, nor suspending or preventing the use of the Base Prospectus, Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus, has been issued, and no proceeding for that purpose has been instituted or, to the best of their knowledge, is contemplated by the Commission or any state or regulatory body;

(iii) The Shares to be sold on that date have been duly and validly authorized by the Company and all corporate action required to be taken for the authorization, issuance and sale of the Shares on that date has been validly and sufficiently taken;

(iv) Subsequent to the respective dates as of which information is given in the Base Prospectus, Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus, as amended and supplemented, and except for pending transactions disclosed therein, the Company has not incurred any material liabilities or obligations, direct or contingent, or entered into any material transactions, not in the ordinary course of business, or declared or paid any dividends or made any distribution of any kind with respect to its capital stock, and there has not been any change in the capital stock or any issuance of options, warrants, convertible securities or other rights to purchase the capital stock (other than as a result of the exercise of any currently outstanding options or warrants that are disclosed in the Prospectus), or any material change in the short-term or long-term debt, of the Company, or any Material Adverse Effect or any development that would reasonably be likely to result in a Material Adverse Effect (whether or not arising in the ordinary course of business), or any material loss by strike, fire, flood, earthquake, accident, epidemic, pandemic or other calamity, whether or not covered by insurance, incurred by the Company; and

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(v) Except as stated in the Base Prospectus, Prospectus Supplement, the Prospectus, and any Permitted Free Writing Prospectus, as amended and supplemented, there is not pending, or, to the knowledge of the Company, threatened or contemplated, any action, suit or proceeding to which the Company is a party before or by any court or governmental agency, authority or body, or any arbitrator, which would reasonably be likely to result in any Material Adverse Effect; provided, however, the requirement to provide a certificate under this Section 3(r) is hereby waived for any Bringdown Date occurring at a time at which no Transaction Notice is pending, which waiver shall continue until the earlier to occur of the date the Company delivers a Transaction Notice hereunder and the next occurring Bringdown Date. Notwithstanding the foregoing, if the Company subsequently decides to sell Shares following a Bringdown Date when the Company relied on such waiver and did not provide Agent with a certificate under this Section 3(r), then before the Company delivers the Transaction Notice or Agent sells any Shares, the Company shall provide Agent with a certificate dated the date of the Transaction Notice.

(s) On the date hereof and each Bringdown Date, the Company shall furnish to the Agent a certificate from the Company’s corporate secretary, dated as of a date within 10 days after the applicable Bringdown Date and addressed to Agent, certifying: (i) that each of the Charter and Bylaws is true and complete, has not been modified and is in full force and effect; (ii) that the resolutions of the Company’s board of directors relating to the Offering are in full force and effect and have not been modified; (iii) the good standing of the Company; and (iv) as to the incumbency of the officers of the Company. The documents referred to in such certificate shall be attached to such certificate.

(t) On the date hereof and each Bringdown Date, the Company shall furnish to the Agent a certificate from the Company’s Chief Financial Officer, dated as of a date within 10 days after the applicable Bringdown Date and addressed to the Agent, with respect to certain financial information contained in the Registration Statement, the Preliminary Prospectus and the Prospectus, in form and substance reasonably satisfactory to the Agent.

(u) A reasonable time prior to each Bringdown Date, the Company, if so requested by the Agent, shall conduct a due diligence session, in form and substance, reasonably satisfactory to the Agent, which shall include representatives of the management of the Company and the Auditors.

(v) The Company shall disclose in its Annual Report on Form 10-K and its Quarterly Reports on Form 10-Q the number of Shares sold through the Agent under this Agreement, the Net Proceeds to the Company and the compensation paid by the Company with respect to sales of the Shares pursuant to this Agreement.

(w) The Company shall ensure that there are at all times sufficient shares of Common Stock to provide for the issuance, free of any preemptive rights, out of its authorized but unissued Common Stock, of the Maximum Amount. The Company will use its reasonable best efforts to cause the Shares to be listed on Nasdaq, and to maintain such listing. The Company shall cooperate with the Agent and use its reasonable efforts to permit the Shares to be eligible for clearance and settlement through the facilities of DTC.

(x) At any time during the term of this Agreement, the Company will advise the Agent promptly after it receives notice or obtains knowledge of any information or fact that would alter or affect any opinion, certificate, letter and other document provided to the Agent pursuant to Section 3 herein.

(y) Subject to compliance with any applicable requirements of Regulation M under the Exchange Act and compliance with applicable securities laws, the Company consents to the Agent trading in Common Stock for the Agent’s own account and for the account of its clients (in compliance with all applicable laws) at the same time as sales of the Shares occur pursuant to this Agreement.

(z) If to the knowledge of the Company, any condition set forth in Section 4 of this Agreement shall not have been satisfied on the applicable Settlement Date, the Company will offer to any person who has agreed to purchase the Shares on such Settlement Date from the Company as the result of an offer to purchase solicited by the Agent the right to refuse to purchase and pay for such Shares.

(aa) On the date hereof and each Bringdown Date, the Company shall furnish to the Agent an incumbency certificate, dated as of such date and addressed to the Agent, signed by the secretary of the Company.

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(bb) Each delivery of a Transaction Notice to purchase the Shares hereunder shall be deemed to be an affirmation to the Agent that the representations and warranties of the Company contained in or made pursuant to this Agreement are true and correct as of the date of such acceptance as though made at and as of such date, and an undertaking that such representations and warranties will be true and correct as of the Settlement Date for the Shares relating to such acceptance, as though made at and as of such date (except that such representations and warranties shall be deemed to relate to the Registration Statement and the Prospectus relating to such Shares as amended and supplemented).

(cc) To the extent that the Registration Statement is not available for the sales of the Shares as contemplated by this Agreement, the Company shall file a new registration statement with respect to any additional shares of Common Stock necessary to complete such sales of the Shares and shall cause such registration statement to become effective as promptly as practicable. After the effectiveness of any such registration statement, all references to "Registration Statement" included in this Agreement shall be deemed to include such new registration statement, including all documents incorporated by reference therein pursuant to Item 12 of Form S-3, and all references to "Base Prospectus" included in this Agreement shall be deemed to include the final form of prospectus, including all documents incorporated therein by reference, included in any such registration statement at the time such registration statement became effective.

(dd) The parties hereto are also party to that certain Placement Agency Agreement, dated October 30, 2023 (the **2023 Placement Agency Agreement**). The Company and the Agent agree that the Agent hereby provides a one-time waiver of Section 4(q) of the 2023 Placement Agency Agreement for any Shares sold under this Agreement pursuant to the prospectus, dated December 15, 2023, with respect to up to \$392,077 of shares of Common Stock. Except as specifically set forth herein, the terms set forth in the 2023 Placement Agency Agreement shall continue to apply as set forth therein.

4. **Conditions of Agent's Obligations.** The obligations of the Agent hereunder are subject to (i) the accuracy of, as of the date hereof, each Bringdown Date, and each Time Sale (in each case, as if made at such date), and compliance with, all representations, warranties and agreements of the Company contained herein, (ii) the performance by the Company of its obligations hereunder and (iii) the following additional conditions:

(a) If the filing of the Prospectus, or any amendment or supplement thereto, or any Permitted Free Writing Prospectus, is required under the Securities Act, the Company shall have filed the Prospectus (or such amendment or supplement) or such Permitted Free Writing Prospectus with the Commission in the manner and within the time period so required (without reliance on Rule 424(b)(8) or Rule 164(b)); the Registration Statement shall remain effective; no stop order suspending the effectiveness of the Registration Statement or any part thereof, any Rule 462(b) Registration Statement, or any amendment thereof, nor suspending or preventing the use of the Base Prospectus, Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus shall have been issued; no proceedings for the issuance of such an order shall have been initiated or threatened; and any request of the Commission for additional information (to be included in the Registration Statement, the Base Prospectus, Prospectus Supplement, the Prospectus, any Permitted Free Writing Prospectus or otherwise) shall have been complied with to the Agent's satisfaction.

(b) The Agent shall not have advised the Company that the Registration Statement, the Base Prospectus, Prospectus Supplement, the Prospectus, or any amendment or supplement thereto, or any Permitted Free Writing Prospectus, contains an untrue statement of fact which, in the Agent's opinion, is material, or omits to state a fact which, in the Agent's opinion, is material and is required to be stated therein or is necessary to make the statements therein (i) with respect to the Registration Statement, not misleading and (ii) with respect to the Base Prospectus, Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus, in light of the circumstances under which they were made, not misleading.

(c) Except as set forth or contemplated in the Base Prospectus, Prospectus Supplement, the Prospectus and any Permitted Free Writing Prospectus, subsequent to the respective dates as of which information is given therein, the Company shall not have incurred any material liabilities or obligations, direct or contingent, or entered into any material transactions, or declared or paid any dividends or made any distribution of any kind with respect to its capital stock and there shall not have been any change in the capital stock, or any issuance of options, warrants, convertible securities or other rights to purchase the capital stock (other than as a result of the exercise of any currently outstanding options or warrants that are disclosed in the Prospectus), or any material change in the short-term or long-term debt, of the Company, or any Material Adverse Effect or any development that would be reasonably likely to result in a Material Adverse Effect (whether or not arising in the ordinary course of business), or any material loss by strike, fire, flood, earthquake, epidemic, pandemic, accident or other calamity, whether or not covered by insurance, incurred by the Company, the effect of which, in any such case described above, in the Agent's judgment, makes it impractical or inadvisable to offer or deliver the Shares.

(d) The Company shall have performed each of its obligations under Section 3(p), (q), (r), (s), (t) and (u).

(e) FINRA shall not have raised any objection to the fairness and reasonableness of the terms and arrangements under this Agreement.

(f) All filings with the Commission required by Rule 424 under the Securities Act to have been filed by the Settlement Date shall have been made within the applicable time period prescribed for such filing by Rule 424.

(g) The Company shall have furnished to Agent and the Agent's counsel such additional documents, certificates and evidence as they may have reasonably requested.

(h) Trading in the Common Stock shall not have been suspended on Nasdaq. The Shares shall have been listed and authorized for trading on Nasdaq prior to the first Settlement Date, and satisfactory evidence of such actions shall have been provided to the Agent and its counsel, which may include oral confirmation from a representative of Nasdaq.

All such opinions, certificates, letters and other documents will be in compliance with the provisions hereof only if they are reasonably satisfactory in form and substance to the Agent and the Agent's counsel. The Company will furnish the Agent with such conformed copies of such opinions, certificates, letters and other documents as Agent shall reasonably request.

5. **Indemnification and Contribution.**

(a) (i) The Company agrees to indemnify and hold harmless the Agent and each of the other Indemnified Parties (as defined below) from and against, and pay on demand for any and all losses, claims, damages, obligations, penalties, judgments, awards, liabilities, costs, expenses and disbursements, and any and all actions, suits, proceedings and investigations in respect thereof and any and all legal and other costs, expenses and disbursements in giving testimony or furnishing documents in response to subpoena or otherwise (including, without limitation, the costs, expenses and disbursements, as and when incurred, of investigating, preparing, pursuing or defending any such action, suit, proceeding or investigation (whether or not in connection with litigation in which any Indemnified Party is a party)) (collectively, "**Losses**"), directly or indirectly, caused by, relating to, based upon, arising out of, or in connection with this Agreement, including, without limitation, any act or omission by the Agent in connection with its acceptance of or the performance or non-performance of its obligations under the Agreement, any and all Losses as incurred arising out of or based upon any untrue statement of a material fact contained in the Registration Statement (or any amendment thereto), or the omission or alleged omission therefrom of a material fact required to be stated therein or necessary to make the statements therein not misleading, or arising out of any untrue statement or alleged untrue statement of a material fact included in any related Permitted Free Writing Prospectus, the Base Prospectus, any Prospectus Supplement and the Prospectus (or any amendment or supplement thereto), or the omission or alleged omission therefrom of a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading, any breach by the Company of any representation, warranty, covenant or agreement contained in the Agreement (or in any instrument, document or agreement relating thereto, including any agency agreement), or the enforcement by the Agent of its rights under the Agreement or these indemnification provisions, except to the extent that any such Losses are found in a final judgment by a court of competent jurisdiction (not subject to further appeal) to have resulted primarily and directly from the gross negligence or willful misconduct of the Indemnified Party seeking indemnification hereunder; provided, however, that the Company will not be liable to the extent that such Loss arises from the sale of the Shares pursuant to this Agreement and is caused directly by an untrue

statement or omission made in reliance upon and in strict conformity with written information relating to the Agent and furnished to the Company by the Agent or its agents expressly for inclusion in any document described or contained in the Registration Statement or the Prospectus or any amendment or supplement thereto. The Company also agrees that no Indemnified Party shall have any liability (whether direct or indirect, in contract or tort or otherwise) to the Company for or in connection with this Agreement for any other reason, except to the extent that any such liability is found in a final judgment by a court of competent jurisdiction (not subject to further appeal) to have resulted primarily and directly from such Indemnified Party's fraud, gross negligence or willful misconduct. This indemnity will be in addition to any liability that the Company otherwise might have.

(ii) These indemnification provisions shall extend to the following persons (collectively, the "**Indemnified Parties**"): the Agent, its present and former affiliates, managers, members, officers, employees, legal counsel, agents and controlling persons (within the meaning of Section 15 of the Securities Act and Section 20 of the Exchange Act), and the officers, directors, partners, stockholders, members, managers, employees, legal counsel, agents and controlling persons of any of them. These indemnification provisions shall be in addition to any liability which the Company may otherwise have to any Indemnified Party.

(iii) If any action, suit, proceeding or investigation is commenced, as to which an Indemnified Party proposes to demand indemnification, it shall notify the Company with reasonable promptness; provided, however, that any failure by an Indemnified Party to notify the Company shall not relieve the Company from its obligations hereunder except to the extent that the Company is actually and materially prejudiced by such failure to notify. An Indemnified Party shall have the right to retain counsel of its own choice to represent it, and the fees, expenses and disbursements of such counsel shall be borne by the Company. Any such counsel shall, to the extent consistent with its professional responsibilities, cooperate with the Company and any counsel designated by the Company. The Company shall be liable for any settlement of any claim against any Indemnified Party made with the Company's written consent. The Company shall not, without the prior written consent of the Agent, settle or compromise any claim, or permit a default or consent to the entry of any judgment in respect thereof, unless such settlement, compromise or consent (i) includes, as an unconditional term thereof, the giving by the claimant to all of the Indemnified Parties of an unconditional release from all liability in respect of such claim, and (ii) does not contain any factual or legal admission by or with respect to an Indemnified Party or an adverse statement with respect to the character, professionalism, expertise or reputation of any Indemnified Party or any action or inaction of any Indemnified Party.

(iv) In order to provide for just and equitable contribution, if a claim for indemnification pursuant to these indemnification provisions is made but it is found in a final judgment by a court of competent jurisdiction (not subject to further appeal) that such indemnification may not be enforced in such case, even though the express provisions hereof provide for indemnification in such case, then the Company shall contribute to the Losses to which any Indemnified Party may be subject (i) in accordance with the relative benefits received by the Company and its stockholders, subsidiaries and affiliates, on the one hand, and the Indemnified Party, on the other hand, and (ii) if (and only if) the allocation provided in clause (i) of this sentence is not permitted by applicable law, in such proportion as to reflect not only the relative benefits, but also the relative fault of the Company, on the one hand, and the Indemnified Party, on the other hand, in connection with the statements, acts or omissions which resulted in such Losses as well as any relevant equitable considerations. No person found liable for a fraudulent misrepresentation shall be entitled to contribution from any person who is not also found liable for fraudulent misrepresentation. The relative benefits received (or anticipated to be received) by the Company and its stockholders, subsidiaries and affiliates shall be deemed to be equal to the aggregate consideration payable or receivable by such parties in connection with the transaction or transactions to which the Agreement relates relative to the amount of fees actually received by the Agent in connection with such transaction or transactions. Notwithstanding the foregoing, in no event shall the amount contributed by all Indemnified Parties exceed the amount of fees previously received by the Agent pursuant to the Agreement.

(b) (i) The Agent will indemnify and hold harmless the Company and its affiliates and directors and each officer of the Company who signed the Registration Statement and each person, if any, who controls the Company within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act (the "**Company Indemnified Parties**") from and against any Losses to which the Company or the Company Indemnified Parties may become subject, under the Securities Act or otherwise (including in settlement of any litigation, if such settlement is effected with the written consent of the Agent), insofar as such losses, claims, damages or liabilities (or actions in respect thereof) arise out of or are based upon an untrue statement or omission or alleged untrue statement or omission of a material fact contained in the Registration Statement, any Base Prospectus, Prospectus Supplement, the Prospectus, or any amendment or supplement thereto or any Permitted Free Writing Prospectus, but only and solely to the extent that such untrue statement or alleged untrue statement or omission or alleged omission was made in the Registration Statement, any Base Prospectus, Prospectus Supplement, the Prospectus, or any amendment or supplement thereto, or any Permitted Free Writing Prospectus in reliance upon and in conformity with written information furnished to the Company by the Agent expressly for use in the preparation thereof, it being understood and agreed that the only information furnished by the Agent consists of the information described as such in Section 5(b)(ii) hereof, by the Company in connection with investigating or defending against any such loss, claim, damage, liability or action.

(ii) The Agent confirms and the Company acknowledges that as of the date hereof no information has been furnished in writing to the Company by or on behalf of the Agent specifically for inclusion in the Registration Statement, any Base Prospectus, Prospectus Supplement, the Prospectus or any Permitted Free Writing Prospectus, other than information about the Agent included in the Prospectus Supplement under the heading "Plan of Distribution."

(c) If the indemnification provided for in this Section 5 is unavailable or insufficient to hold harmless an indemnified party under subsection (a) or (b) above, then each indemnifying party shall contribute to the amount paid or payable by such indemnified party as a result of the losses, claims, damages or liabilities referred to in subsection (a) or (b) above, (i) in such proportion as is appropriate to reflect the relative benefits received by the Company on the one hand and the Agent on the other from the Offering or (ii) if the allocation provided by clause (i) above is not permitted by applicable law, in such proportion as is appropriate to reflect not only the relative benefits referred to in clause (i) above but also the relative fault of the Company on the one hand and the Agent on the other in connection with the statements or omissions that resulted in such losses, claims, damages or liabilities, as well as any other relevant equitable considerations. The relative benefits received by the Company on the one hand and the Agent on the other shall be deemed to be in the same proportion as the total net proceeds from the Offering (before deducting expenses) received by the Company and the total commissions received by the Agent from the sale of the Shares. The relative fault shall be determined by reference to, among other things, whether the untrue or alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information supplied by the Company or the Agent and the parties' relevant intent, knowledge, access to information and opportunity to correct or prevent such untrue statement or omission. The Company and the Agent agree that it would not be just and equitable if contributions pursuant to this subsection (c) were to be determined by pro rata allocation or by any other method of allocation which does not take account of the equitable considerations referred to in the first sentence of this subsection (c). The amount paid by an indemnified party as a result of the losses, claims, damages or liabilities referred to in the first sentence of this subsection (c) shall be deemed to include any legal or other expenses reasonably incurred by such indemnified party in connection with investigating or defending against any action or claim which is the subject of this subsection (c). Notwithstanding the provisions of this subsection (c), the Agent shall not be required to contribute any amount in excess of the amount by which the total aggregate price at which the Shares were sold under this Agreement exceeds the amount of any damages that the Agent has otherwise been required to pay by reason of such untrue or alleged untrue statement or omission or alleged omission. No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation.

(d) Neither termination of this Agreement nor completion of the Offering shall affect these indemnification provisions, which shall remain operative and in full force and effect. The indemnification provisions shall be binding upon the Company and the Agent and their respective successors and assigns and shall inure to the benefit of the Indemnified Parties and the Company Indemnified Parties and their respective successors, assigns, heirs and personal representatives.

6. **Representations and Agreements to Survive Delivery:** All representations and warranties of the Company herein or in certificates delivered pursuant hereto, and agreements of the Agent and the Company herein, including but not limited to the agreements of the Agent and the Company contained in Section 5 hereof, shall remain operative and in full force and effect regardless of any investigation made by or on behalf of the Agent or any controlling person thereof, or the Company or any of its officers, directors, or

controlling persons, and shall survive delivery of, and payment for, the Shares to and by the Agent hereunder.

7. **Termination of this Agreement.**

(a) The Company shall have the right, by giving written notice as hereinafter specified, to terminate the provisions of this Agreement relating to the solicitation of offers to purchase the Shares in its sole discretion at any time upon 15 days' prior written notice. Any such termination shall be without liability of any party to any other party except that (i) if Shares have been sold through the Agent for the Company, then Section 3(w) shall remain in full force and effect, (ii) with respect to any pending sale, through the Agent for the Company, the obligations of the Company with respect to such pending sale of Shares, including in respect of compensation of the Agent, shall remain in full force and effect notwithstanding such termination and (iii) the provisions of Section 2(a)(vi), Section 3(g), Section 5 and Section 6 of this Agreement shall remain in full force and effect notwithstanding such termination.

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(b) The Agent shall have the right, by giving written notice as hereinafter specified, to terminate the provisions of this Agreement if the Agent is not fully satisfied, in its sole discretion, with the results of its and its representatives' review of the Company and the Company's business. Any such termination shall be without liability of any party to any other party except that (i) the provisions of the last three sentences of Section 3(g) and the entirety of Section 5 and Section 6 of this Agreement shall remain in full force and effect notwithstanding such termination and (ii) the provisions of Section 3(g) other than the last three sentences thereof shall remain in full force and effect only if the Agent has terminated this Agreement as a result of the Company's default of its obligations hereunder and its failure to cure such default within a reasonable period of time.

(c) This Agreement shall remain in full force and effect for 6 months from the date hereof unless terminated pursuant to Sections 7(a) or (b) above or otherwise by mutual agreement of the parties; provided that any such termination by mutual agreement shall in all cases be deemed to provide that Section 5 and Section 6 shall remain in full force and effect. This Agreement shall terminate automatically upon the issuance and sale of Shares having an aggregate offering price equal to the amount set forth in the first paragraph of this Agreement or, if lower, the Maximum Amount.

(d) Any termination of this Agreement shall be effective on the date specified in such notice of termination; provided that such termination shall not be effective until the close of business on the date of receipt of such notice by the Agent or the Company, as the case may be. If such termination shall occur prior to the Settlement Date for any sale of the Shares, such sale shall settle in accordance with the provisions of Section 2(a) of this Agreement.

8. **Default by the Company.** If the Company shall fail at any Settlement Date to sell and deliver the number of Shares which it is obligated to sell hereunder, then this Agreement shall terminate without any liability on the part of the Agent or, except as provided in Section 3(g), any non-defaulting party. No action taken pursuant to this Section 8 shall relieve the Company from liability, if any, in respect of such default, and the Company shall (A) hold the Agent harmless against any loss, claim or damage arising from or as a result of such default by the Company and (B) pay the Agent any commission to which it would otherwise be entitled absent such default.

9. **Notices.** Except as otherwise provided herein, all communications under this Agreement shall be in writing and, if to the Agent, shall be mailed, delivered or sent by electronic transmission to:

Maxim Group LLC
300 Park Avenue, 16th Floor
New York, New York 10022
Attention: Clifford A. Teller, Co-President
Email:

with a required copy (which shall not constitute notice) to:

Blank Rome LLP
1271 Avenue of the Americas
New York, New York 10020
Attention: Leslie Marlow, Esq.
Email:

Notices to the Company shall be given to it at:

Sonoma Pharmaceuticals, Inc.
5445 Conestoga Court, Suite 150
Boulder, CO 80301
Attention: Amy Trombly, CEO
Email:

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with a required copy (which shall not constitute notice) to:

Burns & Levinson LLP
125 High Street
Boston, MA 02210
Attention: Andrew J. Merken, Esq.
Email:

Any party to this Agreement may change such address for notices by sending to the parties to this Agreement written notice of a new address for such purpose.

10. **Persons Entitled to Benefit of Agreement.** This Agreement shall inure to the benefit of and be binding upon the parties hereto and their respective successors and assigns and the controlling persons, officers and directors referred to in Section 5. Nothing in this Agreement is intended or shall be construed to give to any other person, firm or corporation any legal or equitable remedy or claim under or in respect of this Agreement or any provision herein contained. The term "successors and assigns" as herein used shall not include any purchaser, as such purchaser, of any of the Shares from the Agent.

11. **Absence of Fiduciary Relationship.** The Company acknowledges and agrees that: (a) the Agent has been retained solely to act as a sales agent in connection with the sale of the Shares and that no fiduciary, advisory or agency relationship between the Company and the Agent has been created in respect of any of the transactions contemplated by this

Agreement, irrespective of whether the Agent has advised or is advising the Company on other matters; (b) the price and other terms of the Shares set forth in this Agreement were established by the Company following discussions and arms-length negotiations with the Agent and the Company is capable of evaluating and understanding and understands and accepts the terms, risks and conditions of the transactions contemplated by this Agreement; (c) it has been advised that the Agent and its affiliates are engaged in a broad range of transactions which may involve interests that differ from those of the Company and that the Agent has no obligation to disclose such interests and transactions to the Company by virtue of any fiduciary, advisory or agency relationship; (d) it has been advised that the Agent is acting, in respect of the transactions contemplated by this Agreement, solely for the benefit of the Agent, and not on behalf of the Company; and (e) it waives to the fullest extent permitted by law, any claims it may have against the Agent for breach of fiduciary duty or alleged breach of fiduciary duty in respect of any of the transactions contemplated by this Agreement and agrees that the Agent shall have no liability (whether direct or indirect) to the Company in respect of such a fiduciary duty claim on behalf of or in right of the Company, including stockholders, employees or creditors of the Company.

12. **Governing Law.** This Agreement shall be governed by and construed in accordance with the laws of the State of New York, including Section 5-1401 of the General Obligations Law of the State of New York, but otherwise without regard to conflict of laws rules that would apply the laws of any other jurisdiction.

13. **Counterparts.** This Agreement may be executed in one or more counterparts and, if executed in more than one counterpart, the executed counterparts shall each be deemed to be an original and all such counterparts shall together constitute one and the same instrument. In the event that any signature is delivered by electronic transmission or a .pdf or other electronic format 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 .pdf or other electronic signature page were an original thereof.

14. **Adjustments for Stock Splits.** The parties hereto acknowledge and agree that all share-related numbers contained in this Agreement shall be adjusted to take into account any stock split, stock dividend or similar event effected by the Company with respect to the Shares.

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15. **Entire Agreement; Amendment; Severability; Headings.** This Agreement (including all schedules and exhibits attached hereto and transaction notices issued pursuant hereto) constitutes the entire agreement and supersedes all other prior and contemporaneous agreements and undertakings, both written and oral, among the parties hereto with regard to the subject matter hereof. Neither this Agreement nor any term hereof may be amended except pursuant to a written instrument executed by the Company and the Agent. In the event that any one or more of the provisions contained herein, or the application thereof in any circumstance, is held invalid, illegal or unenforceable as written by a court of competent jurisdiction, then such provision shall be given full force and effect to the fullest possible extent that it is valid, legal and enforceable, and the remainder of the terms and provisions herein shall be construed as if such invalid, illegal or unenforceable term or provision was not contained herein, but only to the extent that giving effect to such provision and the remainder of the terms and provisions hereof shall be in accordance with the intent of the parties as reflected in this Agreement. The section headings used in this Agreement are for convenience only and shall not affect the construction hereof.

16. **Waiver of Jury Trial.** Each of the Company and the Agent hereby waives any right it may have to a trial by jury in respect of any claim based upon or arising out of this Agreement or the transactions contemplated hereby.

17. **Submission to Jurisdiction.** The Company irrevocably submits to the non-exclusive jurisdiction of any New York State or United States federal court sitting in The City of New York, Borough of Manhattan, over any suit, action or proceeding arising out of or relating to this Agreement, the Prospectus, the Registration Statement, or the offering of the Shares. The Company irrevocably waives, to the fullest extent permitted by law, any objection which it may now or hereafter have to the laying of venue of any such suit, action or proceeding brought in such a court and any claim that any such suit, action or proceeding brought in such a court has been brought in an inconvenient forum. To the extent that the Company has or hereafter may acquire any immunity (on the grounds of sovereignty or otherwise) from the jurisdiction of any court or from any legal process with respect to itself or its property, the Company irrevocably waives, to the fullest extent permitted by law, such immunity in respect of any such suit, action or proceeding including without limitation, any immunity pursuant to the U.S. Foreign Sovereign Immunities Act of 1976, as amended. Each of the Agent and the Company further agrees to accept and acknowledge service of any and all process which may be served in any such suit, action or proceeding in the Supreme Court of the State of New York, New York County, or in the United States District Court for the Southern District of New York and agrees that service of process upon the Company mailed by certified mail or delivered by Federal Express via overnight delivery to the Company's address shall be deemed in every respect effective service of process upon the Company in any such suit, action or proceeding, and service of process upon the Agent mailed by certified mail or delivered by Federal Express via overnight delivery to the Agent's address shall be deemed in every respect effective service of process upon such Agent in any such suit, action or proceeding.

[Signature Page Follows]

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If the foregoing is in accordance with your understanding of our agreement, please sign and return to the Company the enclosed duplicate of this Equity Distribution Agreement, whereupon this letter and your acceptance shall represent a binding agreement between the Company and the Agent in accordance with its terms.

Very truly yours,

SONOMA PHARMACEUTICALS, INC.

By /s/ Amy Trombly

Name: Amy Trombly
Title: President and CEO

Confirmed as of the date first above mentioned.

MAXIM GROUP LLC, as Agent

By /s/ Clifford A. Teller

Name: Clifford A. Teller
Title: Co-President

[Signature Page to Equity Distribution Agreement]



December 15, 2023

Sonoma Pharmaceuticals, Inc.
5445 Conestoga Court
Suite 150
Boulder, CO 80301

Dear Ladies and Gentlemen:

We have acted as legal counsel to Sonoma Pharmaceuticals, Inc., a Delaware corporation (the "Company"), in connection with the offering and sale by the Company of shares (the "Shares") of the Company's common stock, par value \$0.0001 per share ("Common Stock"), having an aggregate offering price of up to \$392,077 to be offered and sold from time to time pursuant to a prospectus supplement dated December 15, 2023 (the "Prospectus Supplement") and the accompanying prospectus dated November 22, 2023 (together with the Prospectus Supplement, the "Prospectus") that form part of the Company's registration statement on Form S-3 (File No. 333-275311) (together with the Prospectus, the "Registration Statement") filed by the Company with the Securities and Exchange Commission (the "Commission") under the Securities Act of 1933, as amended (the "Securities Act"). The Shares are to be sold by the Company through or to Maxim Group LLC (the "Sales Agent"), as sales agent and/or principal, in accordance with that certain Equity Distribution Agreement, dated December 15, 2023 by and between the Company and the Sales Agent (the "Equity Distribution Agreement"), as described in the Prospectus Supplement.

In connection with this opinion, we have examined originals or copies, certified or otherwise identified to our satisfaction, of (i) the Registration Statement, including the Prospectus Supplement, (ii) a specimen certificate representing the Common Stock, (iii) the Equity Distribution Agreement, (iv) the Company's Restated Certificate of Incorporation, as currently in effect, (v) the Company's Bylaws, as currently in effect, and (vi) certain resolutions adopted by the Board of Directors of the Company and committees thereof with respect to the Equity Distribution Agreement and the issuance of the Shares. We have also examined originals or copies, certified or otherwise identified to our satisfaction, of such records of the Company and such agreements, certificates of public officials, certificates of officers or other representatives of the Company and others, and such other documents, certificates and records, as we have deemed necessary or appropriate as a basis for the opinion set forth herein.

In our examination, we have assumed and have not verified (i) the legal capacity of all natural persons, (ii) the genuineness of all signatures, (iii) the authenticity of all documents submitted to us as originals, (iv) the conformity with the originals of all documents supplied to us as copies, (v) the accuracy and completeness of all corporate records and documents made available to us by the Company, (vi) the truth, accuracy and completeness of the information, representations and warranties contained in the records, documents, instruments and certificates we have reviewed; and (vii) that the foregoing documents, in the form submitted to us for our review, have not been altered or amended in any respect material to our opinion stated herein. We have relied as to factual matters upon certificates from officers of the Company and certificates and other documents from public officials and government agencies and departments and we have assumed the accuracy and authenticity of such certificates and documents. We have further assumed that the Shares will be issued and delivered in accordance with the terms of the Equity Distribution Agreement.

For purposes of the opinion set forth below, we refer to the following as "Future Approval and Issuance": (a) the approval by the Company's board of directors (or a duly authorized committee of the board of directors) of the issuance of the Shares (the "Approval") and (b) the issuance of the Shares in accordance with the Approval and the receipt by the Company of the consideration (which shall not be less than the par value of such Shares) to be paid therefor in accordance with the Approval.

Based on the foregoing, and subject to the assumptions, qualifications and limitations set forth herein, as of the date hereof, we are of the opinion that the Shares have been duly authorized for issuance, and upon Future Approval and Issuance, will be validly issued, fully paid and non-assessable.

For purposes of our opinion above, we express no opinion as to the law of any jurisdiction other than the General Corporation Law of the State of Delaware (including the statutory provisions, all applicable provisions of the Delaware Constitution and reported judicial decisions interpreting the foregoing). No opinion is expressed herein with respect to the qualification of the Shares under the securities or blue sky laws of any state or foreign jurisdiction. The opinion expressed herein is given as of this date, and we do not undertake to supplement this opinion with respect to any events or changes occurring subsequent to the date hereof.

We hereby consent to the filing of this opinion as an exhibit to the Current Report on Form 8-K to be filed with the Commission in connection with the offering and to the use of our name under the caption "Legal Matters" in the Prospectus Supplement. In giving this consent, we do not thereby admit that we are included in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission promulgated thereunder.

Very truly yours,

/s/ Burns & Levinson LLP

Burns & Levinson LLP

