



UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549-0405

Mail Stop 3561

December 24, 2009

Mr. David Koos
Chief Executive Officer
Bio-Matrix Scientific Group, Inc.
8885 Rehco Road
San Diego, California 92121

Re: Bio-Matrix Scientific Group, Inc.
Item 4.01 Form 8-K
Filed December 22, 2009
File No. 000-32201

Dear Mr. Koos:

We have reviewed your filing and have the following comments. We have limited our review to Item 4.01 of the above-referenced filing. Where indicated, we think you should revise your document in response to these comments. If you disagree, we will consider your explanation as to why our comment is inapplicable or a revision is unnecessary. Please be as detailed as necessary in your explanation.

Please understand that the purpose of our review process is to assist you in your compliance with the applicable disclosure requirements and to enhance the overall disclosure in your filings. We look forward to working with you in these respects. We welcome any questions you may have about our comments or any other aspect of our review. Feel free to contact us at the telephone numbers listed at the end of this letter.

Item 4.01 of Form 8-K Filed December 22, 2009

1. Please revise your disclosure in the second paragraph of item (a) regarding the period during which there were no disagreements with Seale and Beers, CPAs. This period should include the two most recent years and any subsequent interim period through the date of dismissal. Refer to paragraph (a)(1)(iv) of Item 304 of Regulation S-K.
2. Please disclose that Seale and Beers, CPAs has not issued an audit report on your financial statements for either of the past two years.

3. Please note that you are also required to file a letter from your former accountant stating whether or not the firm agrees or disagrees with the disclosures made in any amendment filed in response to our comments. Refer to Items 304(a)(3) and 601(b)(16) of Regulation S-K.

Please amend your filing and respond to these comments within five business days or tell us when you will respond. You may wish to provide us with marked copies of the amendment to expedite our review. Please furnish a cover letter with your amendment that keys your responses to our comments and provides any requested information as an EDGAR correspondence file. Detailed cover letters greatly facilitate our review. Please understand that we may have additional comments after reviewing your amendment and responses to our comments.

We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filings to be certain that the filings include all information required under the Securities Exchange Act of 1934 and that they have provided all information investors require for an informed investment decision. Since the company and its management are in possession of all facts relating to a company's disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

In connection with responding to our comments, please provide, in writing, a statement from the company acknowledging that:

- the company is responsible for the adequacy and accuracy of the disclosures in the filing;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to the filing; and
- the company may not assert this action as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States.

In addition, please be advised that the Division of Enforcement has access to all information you provide to the staff of the Division of Corporation Finance in connection with our review of your filing or in response to our comments on your filing.

Mr. David Koos
Bio-Matrix Scientific Group, Inc.
December 24, 2009
Page 3

If you have any questions regarding these comments, please direct them to me at (202) 551-3322. In my absence, you may direct your questions to Bill Thompson, Accounting Branch Chief, at (202) 551-3344.

Sincerely,

Ta Tanisha Meadows
Staff Accountant