

FORM 12b-25

SEC FILE NUMBER
000-20190

CUSIP NUMBER
025666302

NOTIFICATION OF LATE FILING

(Check One): Form 10-K Form 20-F Form 11-K Form 10-Q Form 10-D Form N-SAR
 Form N-CSR

For Period Ended: June 30, 2016

- Transition Report on Form 10-K
- Transition Report on Form 20-F
- Transition Report on Form 11-K
- Transition Report on Form 10-Q
- Transition Report on Form N-SAR

For the Transition Period Ended: _____

Read Instruction (on back page) Before Preparing Form. Please Print or Type.
Nothing in this form shall be construed to imply that the Commission has verified any information contained herein.

If the notification relates to a portion of the filing checked above, identify the Item(s) to which the notification relates:

PART I — REGISTRANT INFORMATION

Authentidate Holding Corp.
 Full Name of Registrant

Former Name if Applicable

2225 Centennial Drive
 Address of Principal Executive Office (Street and Number)

Gainesville, GA 30504
 City, State and Zip Code

PART II — RULES 12b-25(b) AND (c)

If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate)

- (a) The reasons described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense;
- (b) The subject annual report, semi-annual report, transition report on Form 10-K, Form 20-F, 11-K, Form N-SAR or Form N-CSR, or portion thereof, will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report of transition report on Form 10-Q or subject distribution report on Form 10-D, or portion thereof, will be filed on or before the fifth calendar day following the prescribed due date; and
- (c) The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable.

PART III — NARRATIVE

State below in reasonable detail the reasons why Forms 10-K, 20-F, 11-K, 10-Q, N-SAR, or the transition report or portion thereof, could not be filed within the prescribed time period.

As previously reported, on January 27, 2016, Peachstate Health Management LLC, d/b/a AEON Clinical Laboratories ("AEON") was merged into a newly formed acquisition subsidiary of Authentidate Holding Corp. (the "Company") (the "AEON Acquisition"), pursuant to a definitive Agreement and Plan of Merger dated November 18, 2015, as Amended and Restated on January 26, 2016 (the "Merger Agreement"). Effective as of the closing of the AEON Acquisition, (i) Mr. Sonny Roshan, the former Chairman of AEON, was appointed the Chairman of the Company, which is an executive officer position at the Company and assumed the role of Chief, (ii) Mr. Richard Hersperger, the former Chief Executive Officer of AEON, assumed the role of Chief Executive Officer of the Company and (iii) the Company's then Chief Executive Officer, Ian C. Bonnet, resigned. Additionally, pursuant to the terms of the Merger Agreement, effective with the closing of the AEON Acquisition, Mr. William A. Marshall agreed to tender his resignation as Chief Financial Officer, Treasurer and Principal Accounting Officer of the Company, to be effective no later than March 1, 2016. As the Company and Mr. Marshall did not further extend the term of his employment, Mr. Marshall's resignation as the Chief Financial Officer, Treasurer and Principal Accounting Officer of the Company became effective on March 1, 2016. On March 3, 2016, the Company appointed Thomas P. Leahy its new interim Chief Financial Officer, effective immediately. Additionally, on August 7, 2016, the employment of Mr. Hersperger terminated and Mr. Roshan assumed the role of Chief Executive Officer of the Company.

The principal reason for the delay in the filing of the Annual Report on Form 10-K for the fiscal year June 30, 2016 was the AEON Acquisition, which, among other things, resulted in a complete change in the management of the Company. Additional time is needed for AEON and the Company to compile and complete all necessary financial information for the first combined year end period related to the financial statements. The Company intends to file the Form 10-K for the fiscal year June 30, 2016 as soon as practicable following the date hereof, and will make every effort to file the Form 10-K within the fifteen-day extension period afforded by SEC Rule 12b-25 under the Securities Exchange Act of 1934, as amended, although there can be no assurance that the Company will file the Form 10-K for the fiscal year ended June 30, 2016 during the fifteen-day extension period.

PART IV — OTHER INFORMATION

(1) Name and telephone number of person to contact in regard to this notification:

 William Henry (Name) 678 (Area Code) 276-8412 (Telephone Number)

(2) Have all other periodic reports required under Section 13 or 15(d) of the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months or for such shorter period that the registrant was required to file such report(s) been filed? If answer is no, identify report(s). YES No

(3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof? YES No

If so, attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of results cannot be made.

Although the Company was the surviving legal entity in the AEON Acquisition, the transaction is accounted for as a reverse merger with AEON deemed as the accounting acquirer. Consequently, AEON's historical results will be carried forward and the Company's operations will be included in the financial statements commencing on the effective date of the AEON Acquisition. Accordingly, the Company expects that the amounts of revenue, net profit, assets, liabilities and shareholder's equity will differ significantly from the results of operations reported in its Annual Report on Form 10-K for the fiscal year ended June 30, 2016 as a result of such reverse merger accounting. The Company is unable to provide an accurate quantitative estimate of the results for the years ended June 30, 2016 and 2015, as it has not yet completed the information necessary to provide such an estimate.

Authentidate Holding Corp.
 (Name of Registrant as Specified in Charter)

has caused this notification to be signed on its behalf by the undersigned hereunto duly authorized.

Date September 29, 2016

By: /s/ William Henry
 William Henry, Chief Operating Officer

INSTRUCTION: The form may be signed by an executive officer of the registrant or by any other duly authorized representative. The name and title of the person signing the form shall be typed or printed beneath the signature. If the statement is signed on behalf of the registrant by an authorized representative (other than an executive officer), evidence of the representative's authority to sign on behalf of the registrant shall be filed with the form.

ATTENTION

Intentional misstatements or omissions of fact constitute Federal Criminal Violations (See 18 U.S.C. 1001).