



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ENTHALPY ANALYTICAL, LLC.  
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BIOLOGICAL

Valid To: November 30, 2021

Certificate Number: 1873.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on tobacco, tobacco smoke, and electronic cigarettes:

<u>Test Description</u>	<u>Method</u>	<u>Test Procedure(s)</u>
<i>In Vitro</i> Micronucleus Assay	AM TOX-003	HC T-503
Mainstream Smoke Procedure for the Bacterial Reverse Mutation Assay	AM-122	HC T-501 Appendix 1, HC-T115
Mainstream Smoke Procedure for the <i>In Vitro</i> Micronucleus Assay	AM-124	HC T-503 Appendix 1, HC-T115
Mainstream Smoke Procedure for the Neutral Red Uptake Assay	AM-123	HC T-502 Appendix 1, HC-T115
Neutral Red Uptake Assay for Mainstream Tobacco Smoke	AM TOX-002	HC T-502
<i>Salmonella typhimurium</i> Mutagenicity Assay – Preincubation Method	AM TOX-001	HC T-501
Total Bacteria, Yeast and Mold Enumeration	AM TOX-011	FDA BAM Ch 3 (Modified) and Ch 18 (Modified), AOAC 966.23 (Modified)

**Key:**

FDA BAM = Food and Drug Administration Bacteriological Analytical Manual  
HC = Health Canada



# Accredited Laboratory

A2LA has accredited

**ENTHALPY ANALYTICAL, INC.**

*Richmond, VA*

for technical competence in the field of

**Biological Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 22<sup>nd</sup> day of January 2020.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 1873.02  
Valid to November 30, 2021

*For the tests to which this accreditation applies, please refer to the laboratory's Biological Scope of Accreditation.*