



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ENTHALPY ANALYTICAL, LLC.
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Richmond, VA 23228
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BIOLOGICAL

Valid To: November 30, 2023

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 12th day of January 2022.

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, 2023

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