



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ENTHALPY ANALYTICAL, LLC.
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CHEMICAL

Valid To: September 30, 2025

Certificate Number: 3198.01

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

<u>Test/Technology(ies)</u>	<u>Test Method(s)</u>
E-Cigarette Liquid and Aerosol	
Ammonia in E-Cigarette Aerosol by IC	ENT307
Ammonia in E-Cigarette Liquid by IC	ENT307
Collection of E-Cigarette Aerosol Using an Analytical Smoking Machine	ENT518
Esters in E-Cigarette Aerosol by GC/MS	ENT218
Esters in E-Liquids by GC/MS	ENT209
Glycidol and 3-CPD in E-Cigarette Liquid by GC/MS	ENT203
Glycidol in E-Cigarette Aerosol by GC/MS	ENT203
Hydrogen Cyanide in E-Cigarette Aerosol by HPLC	ENT335
Hydrogen Cyanide in E-Cigarette Liquid by HPLC	ENT335
Nitrosamines in E-Cigarette Aerosol by GC/MS	ENT211
Nitrosamines in E-Cigarette Liquid by GC/MS	ENT211
Organic Acids in E-Cigarette Aerosol by IC	ENT327

<u>Test/Technology(ies)</u>	<u>Test Method(s)</u>
Organic Acids in E-Cigarette Liquid by IC	ENT327
Phenols in E-Cigarette Aerosol by HPLC	ENT306
Phenols in E-Cigarette Liquid by HPLC	ENT306
Volatile Organic Compounds (Extended Analyte List) in E-Cigarette Aerosol by GC/MS	ENT208B
Volatile Organic Compounds (Extended Analyte List) in E-Cigarette Liquid by GC/MS	ENT208B
Volatile Organic Compounds in E-Cigarette Aerosol Collected on Sorbent Media (Low-Level) by GC/MS	ENT208A
Volatile Organic Compounds in E-Cigarette Liquids (Low-Level) by GC/MS	ENT208A
Heated Tobacco Products (HTP)	
2-Propen-1-ol in HTP Aerosol by GC/MS	ENT208B
Ammonia in HTP Aerosol by HPLC	ENT307
Benzo(a)pyrene in HTP Aerosol by GC/MS	ENT217
Collection of HTP Aerosol Using an Analytical Smoking Machine	ENT518
Esters in HTP Aerosol by GC/MS	ENT218
Glycidol and 3-CPD in HTP Aerosol by GC/MS	ENT203
Hydrogen Cyanide in HTP Aerosol by HPLC	ENT335
Nitrosamines in HTP Aerosol by HPLC	ENT211
Organic Acids in HTP Aerosol by IC	ENT327
Phenols in HTP Aerosol by HPLC	ENT306
Volatile Organic Compounds in HTP Aerosol Collected on Sorbent Media (Low-Level) by GC/MS	ENT208A
Mainstream Cigarette Smoke	
Esters in Cigarette Smoke by GC/MS	ENT218

Key:
FR = Federal Register
HC = Health Canada



Accredited Laboratory

A2LA has accredited

ENTHALPY ANALYTICAL, LLC.

Durham, NC

for technical competence in the field of

Chemical 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 19th day of January 2024.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3198.01
Valid to September 30, 2025

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