

PROFICIENCY TESTING PROVIDER (PTP) ACCREDITATION PROGRAM

Scope of Accreditation

Legal Name of Accredited Laboratory: **InnoTech Alberta Inc.**

Contact Name: Amanda Prefontaine

Address: 250 Karl Clark Road
Edmonton, Alberta
T6N 1E4

Telephone: 780 450 5538

Fax: 780 988 5053

Website: exchange.innotechalberta.ca

Email: Amanda.prefontaine@innotechalberta.ca

Alternative Contact: Candas Martin
Candas.martin@innotechalberta.ca
780 450 5109

SCC File Number:	151232
Accreditation Standard(s):	ISO/IEC 17043:2010
Proficiency Testing Scheme/Field of Testing:	Other – Petroleum Products
Program Specialty Area:	Proficiency Testing Provider
Initial Accreditation:	2021-06-15
Most Recent Accreditation:	2022-12-05
Accreditation Valid to:	2025-06-15

Remarque: La présente portée d'accréditation existe également en français. La version française est publiée séparément.

Note: This scope of accreditation is also available in French as a separately issued document.

Program (PT Scheme)	Measurand (parameter) ^{1,2,3}
Aviation Gasoline	Distillation - ASTM D86 Density - ASTM D4052 Unwashed Gum - ASTM D381 Lead - ASTM D3341 Net Heat of Combustion - ASTM D3338 Motor Octane Number - ASTM D2700 Sulfur - ASTM D5453 Vapor Pressure - ASTM D5191
Aviation Turbine	Distillation - ASTM D86 Acid Number - ASTM D3242 Total Aromatics - ASTM D1319, ASTM D6379 Olefins - ASTM D1319 Density - ASTM D4052 Existent Gum - IP 540 Flash Point - ASTM D56 Freezing Point - ASTM D5972 Water Separation - ASTM D3948, ASTM D7224 Naphthalenes - ASTM D1840 Net Heat of Combustion - ASTM D3338, ASTM D4529 Smoke Point - ASTM D1322 Sulfur, Total – ASTM D4294, ASTM D5453, ASTM D7039 Sulfur, Mercaptan - ASTM D3227 Thermal Oxidation Stability - ASTM D3241 Viscosity, Kinematic - ASTM D445, ASTM D7042 Corrosion Copper Strip - ASTM D130 Doctor Test - ASTM D4952 Electrical Conductivity - ASTM D2624
Diesel Fuel	Distillation - ASTM D86, ASTM D2887 Aniline Point - ASTM D611 Cetane Index - ASTM D976, ASTM D4737 Cetane Number - ASTM D613 Cloud Point - ASTM D2500, ASTM D5773 Corrosion Copper Strip - ASTM D130 Density - ASTM D4052, ASTM D7042 Electrical Conductivity - ASTM D2624 Flash Point - ASTM D93 Lubricity - ASTM D6079 Pour Point - ASTM D97, ASTM D5949 Sulfur, Total - ASTM D5453, ASTM D7039 Viscosity, Kinematic - ASTM D445, ASTM D7042 Water Content - ASTM D6304 Biodiesel Content - ASTM D7371
Fuel Oil	Distillation - ASTM D86, ASTM D2887 Acid Number - ASTM D664 Carbon Residue - ASTM D4530 Cloud Point - ASTM D2500, ASTM D5773 Density - ASTM D4052 Flash Point - ASTM D93 Nitrogen - ASTM D4629 Pour Point - ASTM D97, ASTM D5949

	<p>Sulfur, Total - ASTM D5453, ASTM D7039</p> <p>Sulfur, Mercaptan - ASTM D3227</p> <p>Viscosity, Kinematic - ASTM D445, ASTM D7042</p>
Motor Gasoline	<p>Distillation - ASTM D86</p> <p>Aromatics – ASTM D1319, CAN/CGSB-3.0 No. 14.3</p> <p>Olefins - ASTM D1319, CAN/CGSB-3.0 No. 14.3</p> <p>Benzene - CAN/CGSB-3.0 No. 14.3</p> <p>Benzene Emission Number – Regulation SOP/97-493</p> <p>Oxygen Content – All Methods (e.g. CAN/CGSB-3.0 No. 14.3, ASTM D4815, ASTM D6729)</p> <p>Methanol - All Methods (e.g. CAN/CGSB-3.0 No. 14.3, ASTM D4815, ASTM D6729)</p> <p>Ethanol - All Methods (e.g. CAN/CGSB-3.0 No. 14.3, ASTM D4815, ASTM D6729)</p> <p>Corrosion Copper Strip – ASTM D130</p> <p>Corrosion - CAN/CGSB-3.0 No. 60.32, NACE TM0172</p> <p>Density - ASTM D4052</p> <p>Driveability Index – CAN/CGSB-3.511</p> <p>Gum, Unwashed - ASTM D381</p> <p>Gum, Solvent Washed - ASTM D381</p> <p>Induction Period – ASTM D525</p> <p>Octane Number, Research - ASTM D2699</p> <p>Octane Number, Motor - ASTM D2700</p> <p>Sulfur, Total - ASTM D5453, ASTM D7039</p> <p>Sulfur, Mercaptan - ASTM D3227</p> <p>Vapor Pressure - ASTM D5191</p>
Liquefied Petroleum Gas	<p>Hydrocarbons: Methane, Ethane, Propane, Propene, Isobutane, n-Butane - ASTM D2163, CAN/CGSB-3.0 No. 14.3</p> <p>Density - All Methods (e.g. ASTM D1657, ASTM D2598, CAN/CGSB-3.0 No. 14.3)</p> <p>Sulfur, Total - All Methods (e.g. ASTM D5453, ASTM D6667)</p> <p>Vapor Pressure - All Methods (e.g. ASTM D1267, ASTM D2598)</p> <p>Volatile Residue - All Methods (e.g. ASTM D2163, CAN/CGSB-3.0 No. 14.3)</p>

¹ Tests from CGSB, ASTM specifications and other tests

² Concentration range / Measuring range - close to CGSB and ASTM specifications

³ Assigned values determined via consensus values. Associated uncertainties are not applicable.

Number of Scope Listings: 6

Notes:

ISO/IEC 17043:2010: Conformity assessment – General requirements for proficiency testing

ASTM: ASTM International

CGSB: Canadian General Standards Board

IP: Energy Institute Petroleum test method publication



This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

Elias Rafoul
Vice-President, Accreditation Services
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