

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory: Bureau Veritas Canada (2019) Inc.

Location Name or Operating as (if applicable): CNRL Horizon Project, Main Laboratory

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SCC File Number:	15795
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Chemical/Physical
Program Specialty Area:	Environmental Testing (ET)
Initial Accreditation:	2008-12-12
Most Recent Accreditation:	2024-10-22
Accreditation Valid to:	2028-12-12

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Environmental

Water/wastewater (inorganic)

* HORZSOP-00005	Determination of pH In: freshwater, groundwater and wastewater By: pH meter
* HORZSOP-00051	Total Suspended Solids (Modified SM 2540D) In: groundwater, freshwater, wastewater and lean amines By: gravimetry
* HORZSOP-00090	Combined pH, Conductivity, and Alkalinity by PC Titrate In: saline water, surface water, aqueous industrial wastes and process waters Only for: pH

NON-METALLIC MINERALS AND PRODUCTS

Petroleum Refinery Products (including asphalt materials, petrochemicals, fuels and lubricants):

Fuels and Lubricants

† HORZSOP-00002	Determination of Bitumen, Water and Solids by Dean and Stark Method (Modified COSIA)
* HORZSOP-00004	Boiling Range Distribution of Petroleum Products and Fractions (ASTM D2887)
† HORZSOP-00008	Density by Digital Density Analyzer (Modified ASTM D4052)
† HORZSOP-00013	D:B ratio of Diluted Bitumen By Distillation (Modified ASTM D86)
† HORZSOP-00025	Particulates, Sediment in Oil by Membrane Filtration (Modified ASTM D4807)
† HORZSOP-00032	Refinery Gas Analysis (Modified UOP 539)
† HORZSOP-00047	Diluent Analysis by Gas Chromatography (Modified method "Syn crude Methods for Oil Sand and Bitumen Processing")
† HORZSOP-00070	Karl Fischer Volumetric Water Content Determination (Modified ASTM D4377)
* HORZSOP-00092	Total Nitrogen and Sulfur on Mitsubishi Elemental Analyzer (Modified ASTM D5453 and ASTM D4629)

Number of Scope Listings: 12

Notes:

* : Test method performed in the main laboratory building

† : Test method performed in the bitumen processing building

HORZSOP: Internal Standard Operating Procedures



SM: Standard Methods for Examination of Water and Wastewater, American Public Health Association (APHA)

COSIA: Canada's Oil Sands Innovation Alliance

ASTM International: American Society for Testing and Materials International

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-ccn.ca.

Elias Rafoul
Vice-President, Accreditation Services
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