

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

**Legal Name of Accredited Laboratory:** **MINISTÈRE DES TRANSPORTS ET DE LA MOBILITÉ DURABLE**

Location Name: Direction générale du laboratoire des chaussées

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The Standards Council of Canada (SCC) has translated proprietary content from French to English when the English version was not available (to ensure compliance with the Official Languages Act (OLA)). If there are discrepancies between the English and French versions, the French version of the document prevails.

<b>SCC File Number:</b>	15649
<b>Provider:</b>	BNQ-EL
<b>Provider File Number:</b>	30757-1
<b>Accreditation Standard(s):</b>	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
<b>Fields of Testing:</b>	Chemical/Physical Ionization Mechanical/Physical Radiation
<b>Initial Accreditation:</b>	2004-10-08
<b>Most Recent Accreditation:</b>	2022-07-04
<b>Accreditation Valid to:</b>	2024-10-08

*Remarque: La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.*

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

**SCC Group Accreditation:**

This laboratory is a part of a Group Accreditation with the following facilities in accordance with SCC’s policy on Group Accreditation documented in the Accreditation Services Accreditation Program Overview.

- 15650/ 30757-2- Ministère des Transports et de la Mobilité durable -Direction générale du laboratoire des chaussées- laboratoire, 1645, boulevard Hamel, Québec, QC, G1N 3Y7
- 15651/ 30757-3-Ministère des Transports et de la Mobilité durable -Direction générale du laboratoire des chaussées- laboratoire, 7510, rue Jarry Est, Montréal, QC, H1J 1G9

**METALLIC ORES AND PRODUCTS**

**Metallic Ores:**

ASTM E8/E8M	Standard Test Methods for Tension Testing of Metallic Materials
ASTM E23	Standard Test Methods for Notched Bar Impact Testing of Metallic Materials

**NON-METALLIC MINERALS AND PRODUCTS**

**Road marking**

ASTM D523	Standard Test Method for Specular Gloss
ASTM D562	Standard Test Method for Consistency of Paints Measuring Krebs Unit (KU) Viscosity Using a Stormer-Type Viscometer (Méthode B)
ASTM D711	Standard Test Method for No-Pick-Up Time of Traffic Paint
ASTM D1210	Standard Test Methods for Fineness of Dispersion of Pigment-Vehicle Systems by Hegman-Type Gage
ASTM D1475	Standard Test Methods for Density of Liquid Coatings, Inks, and Related Products
ASTM D2244	Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates
ASTM D2369	Standard Test Method for Volatile Content of Coatings
ASTM D2805	Standard Test Method for Hiding Power of Paints by Reflectometry
ASTM D3723	Standard Test Method for Pigment Content of Water-Emulsion Paints by Low-Temperature Ashing

**Cement and Cement Based Products**

AASHTO T260	Standard Method of Test for Sampling and Testing for Chloride Ion in Concrete and Concrete Raw Materials (except for procedure B)
ASTM C457	Standard Test Method for Microscopical Determination of Parameters of the Air-Void System in Hardened Concrete - Procedure B

ASTM C666/C666M	Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing – Procedure A and Procedure B
BNQ 2621-905 Annexe B	Standard test method for scaling resistance of concrete surfaces exposed to deicing chemicals
CAN/CSA A23.2-9C	Compressive strength of cylindrical concrete specimens
CAN/CSA A23.2-23C	Electrical indication of concrete's ability to resist chloride ion penetration
CAN/CSA A3004-C2	Test method for determination of compressive strengths
DMI 31-270	Analysis of cement by X-ray Fluorescence

### **Bituminous and Other Organic Materials, Coal and Tar**

AASHTO T240	Standard Method of Test for Effect of Heat and Air on a Moving Film of Asphalt Binder (Rolling Thin-Film Oven Test)
AASHTO T313	Standard Method of Test for Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)
AASHTO T315	Standard Method of Test for Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)
AASHTO T316	Standard Method of Test for Viscosity Determination of Asphalt Binder Using Rotational Viscometer
AASHTO T350	Standard Method of Test for Multiple Stress Creep Recovery (MSCR) Test of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)
LC 26-003	Determination of the Compactability Using the Superpave Gyrotory Compactor
LC 26-006	Determination of the Asphalt Binder Content of Asphalt Mixtures by the Ignition Method
LC 26-007	Mechanical Size Analysis of Extracted Aggregate
LC 26-045	Determination of Theoretical Maximum Specific Gravity of Asphalt Mixtures
LC 26-400	Preparation of Asphalt Mixtures Tests Specimens Using the LCPC Compactor
LC 26-410	Deformation Resistance of Asphalt Mixtures to Rutting Test

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

QO-Test-09	Visual detection of the marker (dye-marker) (except for part 5.3)
QO-Test-12	Measurement of dye concentrate content (by column chromatography)

### **Soil, Aggregates, Stone, Sand:**

BNQ 2501-025	Size analysis of inorganics soils
CAN/BNQ 2501-070	Determination of Density of Solid Particles
CAN/BNQ 2501-092	Determination of Liquid Limit by a Fall Cone Penetrometer and Determination of Plastic Limit

CAN/BNQ 2501-110	Determination of Undrained Shear Strength and Sensitivity of Cohesive Soils Using a Fall Cone Penetrometer
LC 21-102	Resistance to polishing of aggregates : projection method
LC 22-301	Oedometer Consolidation Test Analysis
LC 22-320	Determination of the permeability coefficient of soils using the oedometer (variable hydraulic head method)
LC 31-228	Assessment of organic matter content in aggregates and soils
DMI 31-305	X-Ray Fluorescence Analysis (Glass Beads)

Number of Scope Listings: 41

**Notes:**

**AASHTO:** American Association of State Highway and Transportation Officials

**ASTM:** American Society for Testing and Materials

**ISO/IEC 17025:2017:** General Requirements for the Competence of Testing and Calibration Laboratories

**CAN/BNQ:** Bureau de normalisation du Québec

**CAN/CGSB:** Canadian General Standards Board

**CAN/CSA:** Association canadienne de normalisation

**LC:** Laboratoire des chaussées, Ministère des Transports et de la Mobilité durable

**BNQ:** Bureau de normalisation du Québec

**QO:** Méthode d'essai Québec – Ontario

**DMI :** Direction des matériaux d'infrastructures, Ministère des Transports et de la Mobilité durable

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](http://www.scc.ca).

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