

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

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<b>SCC File Number:</b>	15383
<b>Provider:</b>	BNQ-EL
<b>Provider File Number:</b>	27581
<b>Accreditation Standard(s):</b>	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
<b>Fields of Testing:</b>	Mechanical/Physical
<b>Initial Accreditation:</b>	1999-11-24
<b>Most Recent Accreditation:</b>	2023-05-19
<b>Accreditation Valid to:</b>	2027-11-24

*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.*

## **NON-METALLIC MINERALS AND PRODUCTS**

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

LC 26-007	Test Method for Mechanical Size Analysis of Extracted Aggregate
LC 26-040	Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures
LC 26-045	Test Method for Theoretical Maximum Specific Gravity and Density of Asphalt Mixtures
LC 26-060	Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus
LC 26-100	Test Methods for Quantitative Extraction of Asphalt Binder from Asphalt Mixtures
LC 26-320	Test Method for Percent Air Voids in Compacted Asphalt Mixtures

### **Cement and Cement Based Products**

ASTM C457	Standard Test Method for Microscopical Determination of Parameters of the Air-Void System in Hardened Concrete
BNQ 2621-905 (ANNEXE B)	Ready-Mix Concrete – Certification Program (Developed from Certain Requirements of the Standard CSA A23.1-/A23.2) (Test Method for Scaling Resistance of Concrete Surfaces Exposed to Deicing Chemicals)
CSA A23.2-14C	Obtaining and testing drilled cores for compressive strength testing
CSA A23.2-8C	Flexural strength of concrete (using simple beam with third-point loading)
CSA A23.2-9C	Compressive strength of cylindrical concrete specimens

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

BNQ 2501-025	Soils – Particle Size Analysis of Inorganic Soils
CAN/BNQ 2501-092	Soils – Determination of Liquid Limit by a Fall Cone Penetrometer and Determination of Plastic Limit
CAN/BNQ 2501-170	Soils – Determination of Water Content
CAN/BNQ 2501-255	Soils – Determination of the Water Content-Dry Density Relation – Modified Compaction Effort Test
LC 21-040	Sieve analysis of fine and coarse aggregate
LC 21-070	Test method for the resistance of coarse aggregate to degradation by abrasion in the Micro-Deval apparatus
LC 21-400	Resistance to degradation of coarse aggregate by abrasion and impact in the Los Angeles machine

Number of Scope Listings: 18

**Notes:**

**ISO/IEC 17025:2017** : General requirements for the competence of testing and calibration laboratories

**ASTM** : ASTM International

**CSA** : Canadian Standard Association

**LC** : Standard from the Ministère des transports du Québec

**CAN/BNQ** : Standard from Bureau de Normalisation du Québec

**BNQ** : Norme du Bureau de Normalisation du Québec

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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