

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory: **Natural Resources Canada**

Location Name or Operating as (if applicable): Canadian Explosives Research Laboratory (CERL)

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SCC File Number:	15203
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Chemical/Physical Electrical/Electronic Thermal & Fire Resistance
Initial Accreditation:	1994-02-01
Most Recent Accreditation:	2024-05-23
Accreditation Valid to:	2026-02-01

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 document issued separately.

CHEMICALS AND CHEMICAL PRODUCTS

(Explosives and Energetic Materials)

CERL AC 116 UN 6(d)	Unconfined Package Test
CERL AC 123 EN 13763-3	Determination of sensitiveness to impact
CERL AC 124 EN 13763-9	Determination of resistance to bending of detonators
CERL AC 125 EN 13763-7	Determination of mechanical strength of leading wires, shock tubes, connections, crimps, closures
CERL AC 126 EN 13763-11	Determination of resistance to damage by dropping of detonators and relays
CERL AC 127 EN 13763-27	Definitions, methods and requirements for electronic systems S.4.5.6.1 slow temperature change tests and S. 4.5.6.2 rapid temperature change test
CERL AC 128 EN 13763-12	Determination of resistance to hydrostatic pressure
CERL AC 129 EN 13763-15	Determination of equivalent initiating capability
CERL AC 13 UN 3(a)(ii)	BAM Fallhammer
CERL AC 14 UN 3(a)(v)	Modified Type 12 Impact Tool
CERL AC 15 UN 3(b)(i)	BAM Friction Apparatus
CERL AC 16 UN 3(c)	Thermal Stability Test at 75°C
CERL AC 17 UN 3(d)	Small-Scale Burning Test
CERL AC 19 UN 4(a) and EN 13763-2	Thermal Stability Test for Unpackaged Articles and Packaged Articles and Determination of Thermal Stability
CERL AC 20 UN 5(a)	Cap Sensitivity Test
CERL AC 27 UN 5(c)/6(c)	External Fire Test for Division 1.5 and External Fire (Bonfire) Test
CERL AC 57 ASTM E 537	The Thermal Stability of Chemicals by Differential Scanning Calorimetry
CERL AC 63 ASTM E 1981	Assessing the Thermal Stability of Materials by Methods of Accelerating Rate Calorimetry
CERL AC 70 UN 4(b)(ii)	Twelve Metre Drop Test for Unpackaged Articles, Packaged Articles and Packaged Substances
CERL AC 8 UN 1(a)/2(a)/A.5	UN Gap Test
CERL AC 22 UN 1(c)(ii)/2(c)(ii)/5(b)(ii)	Internal Ignition Test and USA DDT Test
CERL AC 76 UN 1(b)/2(b)/8(c) or E.1	Koenen Test
CERL AC 25 UN 6(a)/6(b)	Single Package Test Stack Test
CERL AC 133 EN 13763-16	Determination of Delay Accuracy

Number of Scope Listings: 24

Notes:

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

ASTM: American Standard of Testing Materials

CERL: Canadian Explosives Research Laboratory Internal Test Method Number

Recommendations on the Transport of Dangerous Goods - Manual of Tests and Criteria, Fifth Revised Edition, United Nations, New York and Geneva, 2009
ST/SG/AC.10/11/Rev.5

UN: United Nations

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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