

SCOPE OF ACCREDITATION

Natural Resources Canada
CANADIAN EXPLOSIVES RESEARCH LABORATORY
555 Booth Street
Ottawa, ON
K1A 0G1

Accredited Laboratory No. 141
(Conforms with requirements of CAN-P-4E (ISO/IEC 17025:2005))

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CLIENTS SERVED: Both internal and external contracts

FIELDS OF TESTING: Chemical/Physical, Electrical/Electronic, Thermal & Fire Resistance

ISSUED ON: 2006-04-11

VALID TO: 2009-02-01

CHEMICALS AND CHEMICAL PRODUCTS

(Explosives and Energetic Materials)

CERL 12 UN 3(a)(i)	Bureau of Explosives Machine
CERL 13 UN 3(a)(ii)	BAM Fallhammer
CERL 14 UN 3(a)(v)	Impact Tool, Modified Type 12
CERL 15 UN 3(b)(i)	BAM Friction
CERL 16 UN 3(c)	Thermal Stability at 75°C
CERL 17 UN 3(d)	Small Scale Burning
CERL 19 UN 4(a)	Thermal Stability, Articles and Solids
CERL 20 UN 5(a)	Cap Sensitivity
CERL 22 UN 1(c)(ii)/2(c)(ii)/5(b)(ii)	Internal Ignition Tests and DDT Test (USA)
CERL 23 UN 5(c)	External Fire, for Division 1.5

CERL 25 UN 6(a)	Single Package
CERL 26 UN 6(b)	Stack Test
CERL 27 UN 6(c)	External Fire (Bonfire)
CERL 57 ASTM E 537	Assessing the Thermal Stability of Chemicals by Differential Scanning Calorimetry
CERL 60 ASTM E 793-01 & E 794-01	Heats and Temperatures of Fusion And Crystallization by DSC
CERL 63 ASTM E 1981-98	Accelerating Rate Calorimetry
CERL 70 UN 4(b)(ii)	Twelve Metre Drop, Articles and Solids
CERL 76 UN 1(b)/2(b)	Koenen Test
CERL 8 UN 1(a)/2(a)/A.3	UN Gap Test
CERL 104 UN 1(c)(i)/2(c)(i)/C.1/O.2	Time/Pressure Test

ELECTRICAL PRODUCTS AND ELECTRONIC PRODUCTS

Equipment, Miscellaneous

Hazardous Location Equipment

CERL 82 CSA C22.2 No. 30, 6.3, CENELEC EN 50018, 15.1 (except 15.1.32), IEC 60079-1, 14.1 (except 14.1.2.2)	Explosion Pressure Tests
CERL 83 CSA C22.2 No. 30, 6.5, CENELEC EN50018, 15.2 (except 15.2.1.1 and 15.2.2.2), IEC 60079-1, 15.2	Explosion Flame Propagation Tests Except for:
CERL 84 CSA C22.2 No. 30, 6.6, CENELEC EN50018, 15.1.3.1, IEC 60079-1, 15.1.3.1	Static Overpressure Tests (Hydrostatic type tests)
CERL 85 CSA C22.2 No. 157-M1987, 6.2	Spark Ignition Test

Notes:

CAN-P-4E (ISO/IEC 17025): General Requirements for the Competence of Testing and Calibration Laboratories (ISO/IEC 17025-2005)

CENELEC: European Committee for Electrotechnical Standardization

CERL: Canadian Explosives Research Laboratory Internal Test Method Number

UN: United Nations

P. Paladino, P. Eng., Director, Conformity Assessment

Date: 2006-04-11

Number of Scope Listings: 24

SCC 1003-15/203

Partner File #0

Partner: None