

SCOPE OF ACCREDITATION

Natural Resources Canada
CANADIAN EXPLOSIVES RESEARCH LABORATORY
1 Haanel Drive Bells Corners Complex, Building 12
Ottawa, ON
K1A 1M1

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

CONTACT: Mr. Phil Lightfoot
TEL: (613) 947-7534
FAX: (613) 995-1230
EMAIL: Phil.Lightfoot@NRCan-RNCan.gc.ca

CLIENTS SERVED: Both internal and external contracts

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

ISSUED ON: 2010-01-14

VALID TO: 2013-02-01

CHEMICALS AND CHEMICAL PRODUCTS

(Explosives and Energetic Materials)

CERL 104 UN 1(c)(i)/ 2(c)(i)/C.1/O.2	Time/Pressure Test
CERL 12 UN 3(a)(i)	Bureau of Explosives Impact Machine
CERL 13 UN 3(a)(ii)	BAM Fallhammer
CERL 14 UN 3(a)(v)	Modified Type 12 Impact Tool
CERL 15 UN 3(b)(i)	BAM Friction Apparatus
CERL 16 UN 3(c)	Thermal Stability Test at 75°C
CERL 17 UN 3(d)	Small-Scale Burning Test
CERL 19 UN 4(a)	Thermal Stability Test for Unpackaged Articles and Packaged Articles
CERL 20 UN 5(a)	Cap Sensitivity Test

CERL 22 UN 1(c)(ii)/2(c)(ii)/5(b)(ii)	Internal Ignition Test and USA DDT Test
CERL 25 UN 6(a)/6(b)	Single Package Test and Stack Test
CERL 27 UN 5(c)/6(c)	External Fire Test for Division 1.5 and External Fire (Bonfire) Test
CERL 57 ASTM E 537	The Thermal Stability of Chemicals by Differential Scanning Calorimetry
CERL 63 ASTM E 1981-98	Accelerating Rate Calorimetry
CERL 70 UN 4(b)(ii)	Twelve Metre Drop Test for Unpackaged Articles, Packaged Articles and Packaged Substances
CERL 76 UN 1(b)/2(b)/8(c) or E.1	Koenen Test
CERL 8 UN 1(a)(iii)/2(a)(iii)/A.3	UN Gap Test

Notes:

ASTM American Standard of Testing Materials

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

CSA Canadian Standards Association

UN: United Nations

S. Cross, Director, Conformity Assessment

Date: 2010-01-14

Number of Scope Listings: 17

SCC 1003-15/203

Partner File #0

Partner: None