



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

STUART HUNT & ASSOCIATES, LTD.
 5949 Ambler Drive
 Mississauga, Ontario, CANADA
 Cameron Musgrave Phone: 905 602 8871

CALIBRATION

Valid To: February 28, 2018

Certificate Number: 3215.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Ionizing Radiation

Parameter/Equipment	Range	CMC ² (±)	Comments
Radiation Protection Survey Instruments – 137Cs Exposure (Gamma)	1 µSv/hr to 1.7 Sv/hr	5.2 % of reading	Hopewell G10-2-360
²⁴¹ AmBe Exposure (Neutron)	(20.6 to 1170) µSv/hr	11 % of reading	Transfer standard
⁹⁰ Sr Exposure (Beta)	(2.0 to 1192) rem/hr	5.6 % of reading	Hopewell Beta1
Contamination Instruments	(1 to 9.9 x 10 ⁶) cpm	6.4 % of reading	Ludlum model 500 pulser
Portable Nuclear Moisture/Density Gauges –			
Density:	(1770.3 to 2695.3) kg/m ³ (110.5 to 168.3) lb/ft ³	0.5 % of reading	Density and moisture blocks
Moisture:	(0 to 374.2) kg/m ³ (0 to 23.4) lb/ft ³	2.2 % of reading	

¹ This laboratory offers commercial calibration service.

² Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.





Accredited Laboratory

A2LA has accredited

STUART HUNT & ASSOCIATES LTD.

Mississauga, Ontario, CANADA

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets any additional program requirements in the field of calibration. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).



Presented this 9th day of December 2015.

A handwritten signature in black ink, written over a horizontal line.

President & CEO
For the Accreditation Council
Certificate Number 3215.01
Valid to February 28, 2018
Revised January 30, 2018

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.