



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SCI-LAB MATERIALS TESTING INC.  
150 Trillium Drive  
Kitchener, Ontario, CANADA, N2E 2C4  
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ELECTRICAL

Valid To: March 31, 2021

Certificate Number: 2743.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on Components and Assemblies (Wiring and Related Products):

<b><u>Tests:</u></b>	<b><u>Capability</u></b>	<b><u>Test Method(s) <sup>2</sup>:</u></b>
<i><u>Specifications</u></i>		
D-C Resistance and/or Conductance of Insulating Materials		ASTM D257
DC Cable Tester (Resistance/Voltage) <sup>1</sup>	Max. Connections: 1 664 Pinouts Voltage: (50 to 1 500) V DC 4-Wire Resistance: (0.001 to 10) $\Omega$ High Voltage Ins. Res.: 5 M $\Omega$ to 1 G $\Omega$	SAE J1128; MIL-STD-202, Method 303
Insulation Resistance <sup>1</sup>	Resistance: 0.01 M $\Omega$ to 20 G $\Omega$ Voltage: (0.1 to 1 999) mV Capacitance: 0.1 nF to 9,99 $\mu$ F	MIL-STD-202, Method 302
Crimp Connections <sup>1</sup>	Max. Connections: 1 664 Pinouts Voltage: (50 to 1 500) V DC 4 Wire Resistance: (0.001 to 10) $\Omega$ High Voltage Ins. Res.: 5 M $\Omega$ to 1 G $\Omega$	VW 603 30; MIL-STD-202, Methods 302 & 303

<u>Tests:</u>	<u>Capability</u>	<u>Test Method(s) <sup>2</sup>:</u>
Spark Tester <sup>1</sup>	Voltage Range: (500 to 15 000) V <sub>rms</sub> Wire Diameter: Up to 1"	MIL-DTL-3432
Surface & Volume Resistivity		IEC 60093; MIL-DTL-3432; NES M0141; ASTM D257
Dielectric Withstand <sup>1</sup> (AC & DC Hi-Pot)	AC Voltage: (100 to 5 000) V AC (50 or 60 Hz) AC Current: 20 mA max DC Voltage: (100 to 6 000) V DC DC Current: (0.10 to 7.50) mA	MIL-STD-202, Method 301

<sup>1</sup>Also using customer specific test methods utilizing any combination of test equipment parameters listed above.

<sup>2</sup>When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is required to be using the current version within one year of the date of publication, per part C., Section 1 of A2LA R101 - *General Requirements- Accreditation of ISO-IEC 17025 Laboratories.*



## *Accredited Laboratory*

A2LA has accredited

### **SCI-LAB MATERIALS TESTING, INC.**

*Kitchener, Ontario, Canada*

for technical competence in the field of

### **Electrical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. 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 April 2017).



Presented this 10<sup>th</sup> day of May 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2743.02  
Valid to March 31, 2021

*For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.*