SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY CANADA INC.
Oakville Laboratory
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Oakville, Ontario, Canada – L6L 6S
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MECHANICAL

Valid To: January 31, 2025 Certificate Number: 6524.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this

Accelerated Aging, Product Durability & Energy Systems:	
ASTM D642	Standard test method for determining compressive resistance of shipping containers, components, and unit loads
ASTM D880	Standard test method for impact testing for shipping containers and systems (samples up to 1000 lbs.)
ASTM D2126	Standard test method for response of rigid cellular plastics to thermal and humid aging
ASTM D2565	Standard practice for xenon-arc exposure of plastics intended for outdoor applications (except D1293 and ISO 4892-2)
ASTM D4169	Standard practice for performance testing of shipping containers and systems (except D951, D4003, D5265, D5277, D5487, D6344 and D7386)
ASTM D4332	Standard practice for conditioning containers, packages, or packaging components for testing
ASTM D4459	Standard practice for xenon-arc exposure of plastics intended for indoor applications
ASTM D4587	Standard practice for fluorescent UV-condensation exposures of paint and related coatings
ASTM D4728	Standard test method for random vibration testing of shipping containers
ASTM D4798/D4798M	Standard practice for accelerated weathering test conditions and procedures for bituminous materials (xenon-arc method) (except D1670 and D36)
ASTM D5276	Standard test method for drop test of loaded containers by free fall

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Test Method:	**Test Description:**
ASTM D6055	Standard test methods for mechanical handling of unitized loads and large shipping cases and crates
ASTM D6179	Standard test methods for rough handling of unitized loads and large shipping cases and crates
ASTM D6653/D6653M	Standard test methods for determining the effects of high altitude on packaging systems by vacuum method
ASTM F1980	Standard guide for accelerated aging of sterile barrier systems for medical devices
ASTM G152	Standard practice for operating open flame carbon arc light apparatus for exposure of nonmetallic materials (except ISO 4892-

Test Method:	**Test Description:**
MIL-STD-810G	Environmental engineering considerations and laboratory tests (only for 514.6, 516.6 except for V, VII and VIII)
NISSAN NES M0135	Weatherability and light resistance test methods for synthetic resin
SAE J1885	Accelerated exposure of automotive interior trim components using a controlled irradiance water cooled xenon-arc apparatus
SAE J1960	Accelerated exposure of automotive exterior materials using a controlled irradiance water-cooled xenon arc apparatus
SAE J2412	Accelerated exposure of automotive interior trim components using a controlled irradiance xenon-arc apparatus
SAE J2527	Performance based standard for accelerated exposure of automotive exterior materials using a controlled irradiance xenon-arearBT11.04 -0 0 165oi.9 (i)-2.7 (a)1(r)-1TJy -0 0nBT0.0a

Test Method:	Test Description:
ANSI/KCMA A161.1	

Test Method:	**Test Description:**
ASTM D897 ASTM D903	Standard test method for tensile properties of adhesive bonds

Test Method:	**Test Description:**
Solar Thermal	
ASHRAE 93	Methods of testing to determine the thermal performance of solar collectors
EN ISO 9806	Solar energy -- solar thermal collectors -- test methods

Equipment parameters	
Environmental: Temperature and humidity capabilities	Temperature Chamber -ÞWR& Humidity 5% RH to 95%RH
Vibration: Electrodynamic vibration and shock capabilities	Displacement: ±1 inch(25mm) 2 inch (50 mm) total displacement. Frequency: 0 – 3,000H2 Force rating:4,000 lfb (17.8kN0) Shock: 60Gs

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Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY CANADA INC.

Oakville , Ontario, Canada

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized Internati onal Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories . This accreditation demonstrates technical competence for a defined s8 (o.o5 (f)/TT4 1 T1(s)5al)6. (ce)45.2(p)10.a(p)10. 2 (p)10f.7 (s)-1 ([(.a)-6.(e45.ab3.[(o1.4 (a

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