SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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THERMAL

Valid To: December 31, 2026 Certificate Number: 6524.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory for the following fire tests:

Test Method:	**Test Description:**
14 CFR Part 25 App. F, part I [1]	Bunsen Burner Tests for Cabin Materials as cited in FAR 25.853(a), 25.855(a), 25.857(a), 29.853(a), 49 CFR Part 238 (Passenger Railcar Materials) and FTA Docket 90-A (Transit Bus and Van Materials)
14 CFR Part 25 App F, part V [1]	Smoke Generation of Aerospace Materials as cited in FAR 25.853(d)
16 CFR 1610[1]	Commercial practices - standard for the flammability of clothing textiles
16 CFR 1615[1]	Commercial practices - standard for the flammability of children's sleepwear: sizes 0 through 6X (FF 3-71)
16 CFR Part 1630	Standard for the Surface Flammability of Carpets and Rugs (FF 1-70)
16 CFR 1632[1]	Commercial practices - standard for the flammability of mattresses and mattress pads (FF 4-72, amended) (supersedes California TB 106)
16 CFR 1633[1]	Commercial practices - standard for the flammability (open flame) of mattress sets (supersedes California TB 603)
ASTM C1166	Standard test method for flame propagation of dense and cellular elastomeric gaskets and accessories
ASTM D635	Standard test method for rate of burning and/or extent and time of burning of plastics in a horizontal position
ASTM D1929	Standard test method for determining ignition temperature of plastics
ASTM D2863	Standard Test Method for Measuring the Minimum Oxygen Concentration to Support Candle-Like Combustion of Plastics.
ASTM D3675	Standard test method for surface flammability of flexible cellular materials using a radiant heat energy source
ASTM D6413/D6413M	Standard test method for flame resistance of textiles (vertical test)
ASTM E84	Standard test method for surface burning characteristics of building materials
ASTM E2768	Standard Test Method for Extended Duration Surface Burning Characteristics of Building Materials (30 min Tunnel Test)

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Test Method:	Test Description:
ASTM E136, Option A	Standard test method for behavior of materials in a vertical tube furnace at 750°C
ASTM E162	Standard test method for surface flammability of materials using a radiant heat energy source
ASTM E648	Standard test method for critical radiant flux of floor-covering systems using a radiant heat energy source
ASTM E662	Standard test method for specific optical density of smoke generated by solid materials
ASTM E970	Standard test method for critical radiant flux of exposed attic floor insulation using a radiant heat energy source
ASTM E1353 (Withdrawn)	Standard test methods for cigarette ignition resistance of components of upholstered furniture
ASTM E1354	Standard test method for heat and visible smoke release rates for materials and products using an oxygen consumption calorimeter
Bombardier SMP 800-C	Toxic gas generation of "suppress 5/8" sound engineering drywall" composite
Boeing BSS 7239	Fire test to aircraft material – toxicity
California Administrative Code Title 19 (para. 1237.1 and 1237.3)	Public Safety, Regulations Relating to Flame-retardant Chemicals, Fabric and Application Concerns – Test Requirements for Exterior Flame-retardant Chemicals – Fire Resistance
California TB 117	Requirements – test procedure and apparatus for testing the flame retardance of resilient filling materials used in upholstered furniture
CAN/CGSB 4.2 M 27.1	Textile test methods - flame resistance - vertical burning test
CAN/CGSB 4.2 M 27.5	Test Method for Flammability of Apparel Textiles
CAN/CGSB 4.2 M 27.7	Textile test methods for combustion resistance of mattresses
CAN/CGSB 4.2 No. 27.10	Textile test methods - flame resistance - vertically oriented textile fabric or fabric assembly test
CAN/ULC-102	Standard method of test for surface burning characteristics of building materials and assemblies
CAN/ULC-102.2	Method of test for surface burning characteristics of flooring, floor coverings, and miscellaneous materials and assemblies
CAN/ULC-109	Standard method for flame tests of flame resistant fabrics and films
CAN/ULC-114	Standard method of test for determination of non-combustibility in building materials
CAN/ULC-127	Standard corner wall method of test for flammability characteristics of non-melting building materials
CAN/ULC-129	Standard Method of Test for Smoulder Resistance of Insulation (Basket Method)
CAN/ULC-135	Standard method of test for determination of degrees of combustibility of building materials using an oxygen consumption calorimeter (cone calorimeter)
CAN/ULC-137	Standard method of test for fire growth of mattresses (open flame test)
CMVSS 302/FMVSS 302	Flammability of interior materials test
CPAI 84	Specification for flame-resistant materials used in camping tentage
ISO 871	Plastics -- determination of ignition temperature using a hot-air furnace
ISO 5660-1	Reaction-to-fire tests -- heat release, smoke production and mass loss rate -- part 1: heat release rate (cone calorimeter method)

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Test Method:	**Test Description:**
NFPA 253	Standard method of test for critical radiant flux of floor covering systems using a radiant heat energy source
NFPA 258	Recommended practice for determining smoke generation of solid materials
NFPA 260	Standard methods of tests and classification system for cigarette ignition resistance of components of upholstered furniture
NFPA 701	Standard methods of fire tests for flame propagation of textiles and films
UFAC	Fire Tests, Components, Cigarette Ignition Mattresses
UL 94	Standard for tests for flammability of plastic materials for parts in devices and appliances
UL 723	Standard for test for surface burning characteristics of building materials

[1]The Consumer Product Safety Improvement Act (CPSIA) requires that every children's product subject to a federal consumer product safety requirement be tested by a Consumer Product Safety Commission (CPSC) accepted laboratory for compliance with the applicable federal children's product safety requirements. Accreditation by A2LA does not infer acceptance by the CPSC. Please verify this organization's acceptance status by using the CPSC's searchable database, located at http://www.cpsc.gov/cgi-bin/labsearch/.

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Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY CANADA INC.

Oakville, Ontario, Canda

for technical competence in the field of

Thermal 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 28th day of February 2025.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6524.03
Valid to December 31, 2026
Revised October 10, 2026

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

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