



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: January 31, 2025

Certificate Number: 1136.08

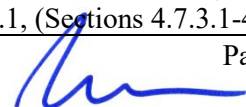
In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on the following materials/products: Adhesives and Sealants; Varnish; Industrial Laminate; Ceramics; Films and Packaging; Leather; Packaging and Containers; Paper, Paperboard and Pulp; Plastics and Polymers; Rubber and Rubber Products; Textiles; Information Technology Equipment (ITE); Printed Wiring Board; Magnet Wire; and Wire Positioning Devices.

<u>TEST:</u>	<u>TEST METHODS:</u>
Horizontal Burning Test	ASTM D635; CAN/CSA C22.2 No.0.17 (Section 5.2.1); CAN/CSA C22.2 No.60950-1 (Sections 4.7.3.1 - 4.7.3.6); EN 60950-1 (Sections 4.7.3.1 - 4.7.3.6); IEC 60950-1 (Sections 4.7.3.1 - 4.7.3.6); UL 60950-1 (Sections 4.7.3.1 - 4.7.3.6); IEC 60695-11-10; JIS K6911; UL 94 (Section 7); GB/T 5169.16; GB 4943.1, (Sections 4.7.3.1-4.7.3.6); BS EN 60695-11-10
Thin Material Vertical Burning Test	ASTM D4804; CAN/CSA C22.2 No.0.17 (Section 5.2.3); ISO 9773; UL 94 (Section 11)
Vertical Burning Test	ASTM D3801; CAN/CSA C22.2 No.0.17 (Section 5.2.2); CAN/CSA C22.2 No.60950-1 (Sections 4.7.3.1 - 4.7.3.6); EN 60950-1 (Sections 4.7.3.1 - 4.7.3.6);

TEST:	TEST METHODS:
Vertical Burning Test (<i>continued</i>)	IEC 60950-1 (Sections 4.7.3.1 - 4.7.3.6); UL 60950-1 (Sections 4.7.3.1 - 4.7.3.6); IEC 60695-11-10; JIS K6911; UL 94 (Section 8); GB/T 5169.16; GB 4943.1, 4.7.3.1-4.7.3.6; BS EN 60695-11-10
Vertical Burning Test using a 125 mm Flame Source	UL 94 (Section 9); IEC 60695-11-20; CAN/CSA C22.2 No.0.17 (Section 5.2.4); ASTM D5048; EN 60950-1, (Sections 4.7.3.1-4.7.3.6); UL 60950-1, (Sections 4.7.3.1-4.7.3.6); CAN/CSA C22.2 60950-1 (Sections 4.7.3.1-4.7.3.6)
Burning Test using a 20 mm Flame Source Used in Electrical Equipment Evaluations	UL 746C (Sections 16 and 51); IEC 60950-1 (Annex A2); EN 60950-1 (Annex A2); UL 60950-1 (Annex A2); CAN/CSA C22.2 No.60950-1 (Annex A2); GB 4943.1, Annex A2
Burning Test using a 127 mm Flame Source Used in Electrical Equipment Evaluations	UL 746C (Sections 17 and 52); IEC 60950-1 (Annex A1); EN 60950-1 (Annex A1); UL 60950-1 (Annex A1); CAN/CSA C22.2 No.60950-1 (Annex A1); GB 4943.1, Annex A1
Burning Test of Automotive Interior Materials	ASTM D5132; FMVSS 302; ISO 3795; JIS D1201; SAE J369; GB 8410; UNECE R118 (Annex 6)
VW-1 Flammability Test	UL224 (Section, 5.12); UL510 (Section 6); UL510a (Section 9, 20); UL1441 (Section 5.7); UL1581 (Section, 1080); UL2556 (Section, 9.4); ASTM D2671 (Section 72 Procedure C); IEC TS 60695-11-21
Flammability Testing for Aircraft Interior Materials (Vertical, Horizontal, 45-Degree, 60 Degree, Flammability Test)	14 CFR 25 (Appendix F, Part 1); CS 25 (Appendix F, Part 1); JAR 25 (Appendix F, Part 1); JCAB AIM Part III (Appendix F, Part 1); RTCA/DO-160G (Section 26); FAA Aircraft Materials Fire Test Handbook Chapter 1; FAA Aircraft Materials Fire Test Handbook Chapter 2; FAA Aircraft Materials Fire Test Handbook Chapter 3; FAA Aircraft Materials Fire Test Handbook Chapter 4



TEST:	TEST METHODS:
Flame Propagation Test	ASTM C1166; ASTM C542; NFPA 130; Title 49 CFR Part 238 Appendix B; FTA Recommended Fire Safety; Practices for Rail Transit Materials Selection
Oxygen Index Measurement	ISO 4589-2; ASTM D2863; JIS K7201-2
Tensile Strength Test	ASTM D412, D638, D882 UL 746A (Sections 10-12); CAN/CSA C22.2 No.0.17 (Section 6.7); ISO 527-1, 527-2, 527-3, 527-4, 527-5; JIS K6911, K7127, K7161-1, K7161-2, K7164, K7165
Flexural Strength Test	ASTM D790; UL 746A (Section 16); CAN/CSA C22.2 No.0.17 (Section 6.4); ISO 178; JIS K7171
Tensile Impact Test	ASTM D1822; UL 746A (Section 14); CAN/CSA C22.2 No.0.17 (Section 6.9); ISO 8256; JIS K7160
Izod Impact Test	ASTM D256; UL 746A (Section 13); CSA C22 No.17 (Section 6.3); ISO 180; JIS K7110, JIS K6911 (Section 5.21)
Charpy Impact Test	ASTM D6110; UL746A (Section 15); CSA C22 No.17 (Section 5.2); ISO 179-1; JIS K7111-1, JIS K6911 (Section 5.20)
Burning Test using a Needle Flame Source	UL 746C (Section 15), UL 60950-1, Annex A2.7, UL 1694; GB/T 5169.5; CAN/CSA C22.2 No.0.17 (Section 10.2.1); IEC 60695-11-5, IEC 60335-1 (Section 30 and Annex E), IEC 60950-1, Annex A2.7; EN 60950-1, Annex A2.7; CAN/CSA C22.2 60950-1, Annex A2.7; GB 4943.1, Annex A2.7; IEC 62368-1 Annex S
Horizontal Burning Foamed Material Test	UL 94 (Section 12); CAN/CSA C22.2 No.0.17 (Section 5.2.5), UL 60950-1 (Sections 4.7.3.1 - 4.7.3.6); ASTM D4986; IEC 60950-1 (Sections 4.7.3.1 - 4.7.3.6); EN 60950-1 (Sections 4.7.3.1 - 4.7.3.6); ISO 9772; GB 4943.1, (Sections 4.7.3.1-4.7.3.6)



ELECTRICAL

<u>TEST:</u>	<u>TEST METHODS:</u>
Hot Wire Ignition Test	UL 746A (Section 32); ASTM D3874; CAN/CSA C22.2 No.0.17 (Section 4.3.1)





Accredited Laboratory

A2LA has accredited

CHEMITOX, INC. SHINJYO TESTING CENTER

Yamagata, Japan

for technical competence in the field of

Mechanical 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 16th day of February 2023.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1136.08
Valid to January 31, 2025

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