SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY ANAHEIM
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ELECTRICAL

Valid To: September 30, 2024 Certificate Number: 0214.52

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

Test Description/Capabilities:	**Test Method(s) [1]:**
Arc Resistance	ASTM D495; IPC-4101; IPC-TM-650 (Method 2.5.1); UL 746A
Comparative Tracking Index (CTI)	ASTM D3638; UL 746A
Conductive Anodic Filament Resistance (CAF) Range: (10^5 to 10^{13}) Ohm *	IPC-4101; IPC-6012; IPC-A-600; IPC-9201; IPC-TM-650 (Method 2.6.25)
Dielectric Breakdown and Electrical Strength AC Range: (0 to 6) kV * DC Range: (0 to 70) kV *	ASTM D149; IPC-4101; IPC-TM-650 (Methods 2.5.6.2 and 2.5.6); UL 746A IPC-6012; IPC-A-600; IPC-6013; IPC-9201; IPC-TM-650 (Methods 2.5.7 and 2.5.7.1); MIL-STD-202 (Method 301); MIL-P-50884 [2]; MIL-PRF-50884 [2]; MIL-PRF-55110 [2]; MIL-PRF-31032 [2]; MIL-I-46058; IPC-CC-830; IPC-SM-840; UL 746A; J-STD-004

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Test Description/Capabilities:	**Test Method(s) [1]:**
DC Resistance, Volume and Surface Resistivity Range: (10^5 to 10^{13}) Ohm *	ASTM D257; IPC-4101; IPC-4202; IPC-TM-650 (Methods 2.5.17 and 2.5.17.1); UL 746A
Hydrolytic Stability	IPC-TM-650 (Methods 2.6.11 and 2.6.11.1); IPC-CC-830; IPC-SM-840; FED-STD-141; MIL-I-46058
Moisture and Insulation Resistance (MIR) Range: (10^5 to 10^{13}) Ohm *	IPC-6012; IPC-6013; IPC-TM-650 (Method 2.6.3); MIL-I-46058; MIL-STD-202 (Method 302); MIL-P-50884 [2]; MIL-PRF-50884 [2]; MIL-PRF-31032 [2]; MIL-PRF-55110 [2]
Surface Insulation Resistance	IPC-TM-650 (Methods 2.6.3.5 and 2.6.3.7); IPC-A-600; IPC-9201; J-STD-004; IEC 61189-5; GR-78-CORE (Section 14.4)

*Including Customer Specifications directly related to the test technologies and within the parameters listed above

On the following materials/products:
Circuit Boards and Circuit Board Components; Electronics; Adhesives; Aircraft Components; Automotive Components; Plastic and Rubber Insulating Materials.

Laboratory performs tests according to IPC-QL-653 "Certification of Facilities that Inspect/Test Printed Boards, Components and Materials."

[1] When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA R101 - *General Requirements- Accreditation of ISO-IEC 17025 Laboratories.*

[2] These methods are Performance Specifications which make reference to test methods identified on the scope of accreditation. The laboratory is not accredited to these Performance Specifications.

Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY ANAHEIM

Anaheim, California

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 20th day of October 2022.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0214.52
Valid to September 30, 2024
Revised September 27, 2023

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