

MATERIALS TESTING

Element Baltimore is an internationally accredited, world-renowned, full-service failure analysis testing facility specializing in materials testing in accordance with numerous industry standards including ASTM, IPC and MIL-Specs. If you have technical questions or require help designing a test plan, you will work one-on-one with our technical experts, many of whom chair industry standards writing committees including ASTM and IPC.

ENVIRONMENTAL TESTING

Whether you are testing satellite components or solar cells that are intended to function in the most challenging desert setting, there is simply no substitute for environmental testing from Element Baltimore. When your components are expected to work in extreme temperature ranges and

meet client expectations, adhere to regulatory standards and even avoid litigation.

- Accelerated Aging
- Altitude
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monitoring and in-depth analysis. By accurately measuring everything from contact resistance to dielectric strength, we supply you with the test documentation you need to have full confidence in your electronic components.

- Arc Resistance
- Capacitance
- Conductivity
- Contact Resistance
- Continuity
- Data Acquisition
- Dielectric Breakdown/Constant/Strength/Withstanding Voltage (DWV)
- Dissipation Factor
- Electrical Overstress/Properties
- HiPot
- Leakage
- Life Testing
- Resistance/Resistivity

DELIVERING INNOVATIVE PRODUCT TESTING AND CERTIFICATION SOLUTIONS

IPC TESTING AND TRAINING

Element Baltimore has a long history of testing and accreditation to various IPC standards and was the first IPC Qualified Test Laboratory for Validation Services. Our staff is heavily involved in industry groups such as the Assembly and Joining Committee, the 7-11 Test Methods Subcommittee, J-STD-004 Flux Specification Task Group, the SIR and Electrochemical Migration Task Group, the Ionic Conductivity task group