



# Product Ecology

## Eco-Compliance Testing

There is no “one-size-fits - all” approach to testing to determine compliance with Global Environmental Directives and OEM Green Programs.

EMT offers both destructive and non-destructive testing of electronic components and product samples. EMT provides sample deconstruction/disassembly prior to analysis, when required.

### Traditional Laboratory Test Methods

Cadmium and Lead analysis utilizing ICP/MS or ICP/AES

Mercury analysis performed utilizing CVAA instrumentation.

Hexavalent Chromium analysis by UV-vis spectrophotometry.

PBDEs and PBBs analysis utilizing GC/MS instrumentation.

Halogens analysis utilizing Bomb/IC

XRF Screening utilizing Energy Dispersive X-Ray Fluorescence Spectrometry (EDXRF)



### EMT’s Qualifications

EMT has been at the forefront of providing laboratory analysis for OEMs, suppliers and contract manufacturers worldwide to assess electronic and electrical equipment (EEE) samples for substances regulated in the US, EU and international community.

#### Product Audit

**RoHS— EU, China, California**

**PoHS**

**REACH**

**JIG Annex A and Annex B lists**

**Halogen Free Testing**

**Toys**

**Consumer Products**

**End of Life Vehicle (ELV)**

**OEM Green Programs**

EMT is an independent environmental testing laboratory, established in Illinois in 1984. EMT is accredited by the American Association of Laboratory Accreditation (A2LA) to the ISO/IEC 17025:2005 standard. EMT is also accredited by the National Environmental Laboratory Accreditation Committee (NELAC) program and TUV Rheinland.



ISO/IEC 17025 Certified

### Parameter List

Utilizing traditional or XRF methods EMT provides analytical data for the following substances:

Azocolorants and Azodyes  
Cadmium  
Hexavalent Chromium  
Lead  
Mercury  
Ozone-Depleting Substances  
PBBs  
PBDEs  
PCBs  
Polychlorinated Naphthalenes  
Radioactive Substances  
Shortchain Chlorinated Paraffins  
Tributyl Tin and Triphenyl Tin  
Tributyl Tin Oxide

Antimony  
Arsenic  
Beryllium  
Bismuth  
BFRs other than PBBs and PBDEs  
Nickel  
Phthalates  
Selenium  
PVC

Halogens—Bromine, Chlorine  
Fluorine, Iodine

EMT’s parameter list is constantly expanding. Call for the most current information.

8100 North Austin Ave.  
Morton Grove, Illinois  
60053-0663

[www.emt.com](http://www.emt.com)

Phone: 800-246-0663  
Fax: 847-967-6735  
Email: [info@emt.com](mailto:info@emt.com)