

Submitting your sample to EMT for analysis

It's as easy as one... two...
three!

1. Download a copy of an EMT chain of custody form at: www.emt.com
2. Send completed chain of custody form with sample and P.O. number or credit card number to EMT.
3. You will receive your analytical results typically within two weeks after we receive your sample.



Questions?

Contact kerickson@emt.com or
stthomas@emt.com

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Why Choose EMT?

EMT is an active member of the two international committees (IEC and ASTM) that are currently working to standardize the test methods used to perform analysis of electronic/electrical equipment for material declaration purposes.

EMT's nationally-accredited laboratory follows stringent QA/QC procedures to ensure reliable, defensible laboratory results. EMT owns state-of-the art laboratory instrumentation (and in many cases, multiple instruments of the same type) including XRF, GC/MS, GC/ECD, ICP/MS, ICP/AES, CVAA, HPLC and others. All analysis is performed in accordance with SOPs developed in conjunction with recognized test methods.

A Dedicated Customer Service Representative is assigned to each client to monitor all projects in-house. EMT's Laboratory Information Management System (LIMS) enables our customer service staff to closely monitor analytical results. Reporting of your results electronically is available upon request. EMT accepts credit card payments, allowing for samples to be sent from anywhere in the world.

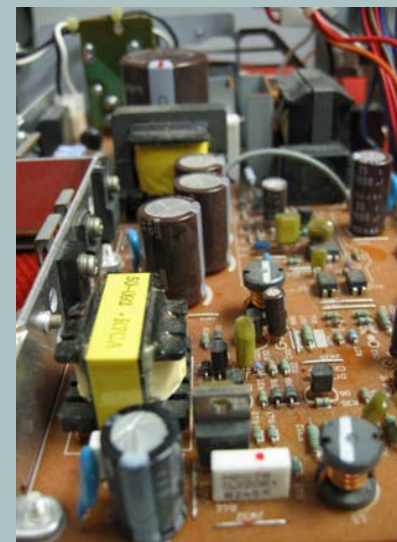
EMT Can Provide Expedited Turnaround of test results when needed.



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RoHS TESTING SERVICES



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EMT's Qualifications

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

- Restrictions of Hazardous Substances (RoHS) Directive
- Waste Electrical & Electronic Equipment (WEEE) Directive
- California Proposition 65
- California SB 20/SB 50



EMT is an independent environmental testing laboratory, established in Illinois in 1984, accredited by the U.S. National Environmental Laboratory Accreditation Committee (NELAC) program. The NELAC accreditation is based on ISO 17025. We are currently pursuing official ISO 17025 standard certification through the American Association of Laboratory Accreditation (A2LA).



There is no “one-size-fits-all” approach to testing to determine compliance with RoHS

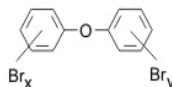
EMT offers both destructive and non-destructive testing of electronic components and product samples.

Traditional Laboratory Test Methods EMT has developed expertise in the sample preparation (specifically, grinding and milling) and extraction/analysis of samples in accordance with recognized standard test methods.

Metals analysis is typically performed utilizing ICP/MS, ICP/AES or CVAA instrumentation depending on the metal and the level of detection required.

Hexavalent Chromium content in surface coatings is quantified by specialized testing. EMT's approach involves precise timing of sample digestion and analysis steps to ensure accurate results.

PBDEs and PBBs analysis is performed utilizing GC/MS instrumentation, which allows for the reporting of a list of individual congeners, rather than totals only.



XRF Testing EMT additionally offers x-ray fluorescence (XRF) screening to our “menu” of test methods. The International Electrotechnical Committee (IEC) recognizes XRF for the qualitative and quantitative screening of samples to determine those substances restricted under the EU RoHS Directive.

The advantages to using XRF technology for sample assessment includes: speed of analysis, lower cost relative to standard analytical testing

Parameter List

Utilizing traditional or XRF methods EMT provides analytical data for the following substances. RoHS-regulated substances are highlighted. This list is constantly growing. Call for the most current information.

Cadmium	Chromium (+6) ¹
Lead	Mercury
PBDEs ^{1,2}	PBBs ^{1,2}
Aluminum	Antimony
Arsenic	Barium
Beryllium	Bismuth
Bromide (total)	Chloride (total)
Chromium (total)	Cobalt
Copper	Gold
Iron	Magnesium
Nickel	Palladium
PCBs	Phosphorus
Phthalates	Selenium
Silver	Tantalum
Thallium	Tin
Titanium	Zinc

¹ XRF analysis detects total Cr and total Br only. Additional testing may be required. ² EMT reports a total of 24 individual congeners of PBDEs/PBBs