

The **NEW** X-MET5000

XRF Testing for Lead Contamination in Toys and Consumer Products



The **X-MET5000** is the simple solution to detecting lead and other heavy metals (such as arsenic, cadmium, mercury) in toys, jewelry and consumer products.

With **X-MET5000** you can have peace of mind knowing that you are delivering a safe product to your customer.

[plastic_fp][Compliance-]			
plastic_fp	dim		
Date: 5/9/05 6:58:19 PM			
Non-Compliant			
Elem	ppm	STD	Alarm
Pb	1000	12	FAIL
Cd	235	8	FAIL
Hg	ND	15	PASS
Sb	ND	24	PASS
Se	ND	5	PASS
Ba	1312	266	FAIL
As	ND	6	PASS
Grade			

Rapid analysis of:

- Detection of PVC plastic, which may indicate presence of phthalates
- Jewelry and other metallic goods for Pb and Ni
- Paints and plastic raw materials from production
- Packaging material for Cd, Pb and Hg
- Toys and other plastic goods for lead and other heavy metals (Pb, Cd, As, Sb, Ba, Cr, Se, Ni)
- RoHS compliance (Pb, Cd, Hg, total Cr, total Br) from all electronic toys and goods



The Business of Science®





Powerful user programmable interface for reliable testing

- Quick information for reliable Go/No-Go decisions
- User programmable analysis, alarm limits and testing criteria
- Option to show elements of interest or all detected elements
- Averaging feature for added screening confidence
- Saves an unlimited number of results and spectra



Flexibility with choice of analysis modes

- Auto detect mode will identify material type and automatically choose correct analysis method
- Fundamental parameter calibration for plastics and metals

Plastics: 24 common elements in plastics including all common regulated elements (Cd, Pb, Hg, Br, Cr, Cl, Ni, Sb, As, Se, Ba etc.)

Metals: 31 common elements in metals and solder alloys, including all common regulated elements (Cd, Pb, Hg, Cr, Ni etc.)

- Customer specific calibrations and optional software package for method development

X-MET5000 Bench-top Stand

- Closed beam operation for increased radiation safety
- Improved measurement precision
- Simplified sample positioning
- Easy and comfortable operation when measuring many samples

Easy and reliable

- Short learning curve
- Minimal training is required
- Easy data storage and reporting
- PDA based technology for flexibility
- CE, cCSAus certified
- The **PentaPIN™** detector provides faster analysis and lower detection limits for all elements



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