

LEAD IN PAINT: REFERENCE MATERIAL

SCP SCIENCE offers two lead in paint Reference Materials (RMs) designed for periodic quality control verifications. Each RM is tested based on a round-robin analysis involving 50 International Laboratories. Includes a Certificate of Analysis listing Consensus Values, Confidence and Tolerance Values and instructions for use; complete documentation for Audit purposes.

**COMING
SOON!**
**Cadmium & Lead
in paint RM**

Catalogue Number:
140-025-205



- Economically priced
- Certified for two years from the shipping date*

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*Or 48 months after the verification date, whichever comes first provided the material is kept tightly capped and stored under normal laboratory conditions.

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BAN OF LEAD-CONTAINING PAINT IN CHILDREN'S PRODUCTS

The US Consumer Product Safety Commission (CPSC) testing laboratories updated their test method* requirements to determine the total lead content of paint in children's toys. The current ban covers paint that contains more than 300 ppm of lead. The regulation aims at preventing lead poisoning among children who tend to mouth toys. Amounts of lead ends up in a child's system if exposed to objects containing excessive levels of lead. Such incidents have been associated with growth retardation and learning disabilities in children.

Level 1 RM - Lead in Paint	Level 2 RM - Lead in Paint	RM - Cadmium and Lead in Paint
Catalogue No.: 140-025-200	Catalogue No.: 140-025-201	Catalogue No.: 140-025-205
Lot No.: SC9261559	Lot No.: SC9261560	Lot No.: S11031106
Weight (g): 20	Weight (g): 20	Weight (g): 20
Consensus Value (mg/kg): 94.3	Consensus Value (mg/kg): 287.4	Consensus Value (mg/kg): Cd 219.4
Confidence Interval (mg/kg): 92.1 – 96.1	Confidence Interval (mg/kg): 282.5 – 292.3	Pb 224.2
Tolerance Interval (mg/kg): 70.3 – 118.3	Tolerance Interval (mg/kg): 233.2 – 341.7	Confidence Interval (mg/kg): Cd 215.9-222.8
		Pb 220.0-228.5
		Tolerance Interval (mg/kg): Cd 189.2-249.5
		Pb 187.1-261.3

ADDITIONAL EQUIPMENT & SUPPLIES FOR TEST METHODS*

Catalogue Number	Description
010-500-205	Graphite Digestion Block, <i>Dig</i> PREP MS, 50 ml, 48 positions, requires controller
010-505-205	Graphite Digestion Block, <i>Dig</i> PREP Jr., 50 ml, 24 positions, requires controller
010-500-220	KeyPAD Controller for <i>Dig</i> PREP graphite digestion blocks
010-500-250	Touch Screen Controller, color display, for <i>Dig</i> PREP graphite digestion blocks
010-500-261	Digestion Vessel, <i>Dig</i> TUBE, 50 ml, PP, RackLock with caps, 750/pack
010-500-079	Digestion Vessel, <i>Dig</i> TUBE, 50 ml, borosilicate, 6/pack
250-037-175	Nitric Acid 67%-70% HNO ₃ , <i>Plasma</i> PURE, 2.5 L
250-037-155	Hydrochloric Acid, 34%-37% HCl, <i>Plasma</i> PURE, 2.5 L
140-051-390 (2x25 ml) • 140-051-391 (125 ml) • 140-051-395 (500 ml)	Yttrium ICP Standard, 1000 µg/ml
140-051-820 (2x25 ml) • 140-051-821 (125 ml) • 140-051-825 (500 ml)	Lead ICP Standard, 1000 µg/ml
140-102-010 (2x25 ml) • 140-102-011 (100 ml) • 140-102-015 (500 ml)	Quality Control Standard 1 (QC 19) **
250-310-820	Water, deionized (18 Megohm/cm), 5 L

* The following test methods are used by the Consumer Product Safety Commission (CPSC) in the analysis of children's metal product for lead content:

- 1) CPSC-CH-E1001
- 2) CPSC-CH-E1003-09

** Quality Control Standard 1 (QC 19) Matrix: 5% HNO₃
 Element Concentration: Sb 100 µg/ml, Cu 100 µg/ml, As 100 µg/ml, Fe 100 µg/ml, Be 100 µg/ml, Pb 100 µg/ml, Cd 100 µg/ml, Mg 100 µg/ml, Ca 100 µg/ml, Mn 100 µg/ml, Cr 100 µg/ml, Mo 100 µg/ml, Co 100 µg/ml, Ni 100 µg/ml, Se 100 µg/ml, Ti 100 µg/ml, V 100 µg/ml, Tl 100 µg/ml, Zn 100 µg/ml