

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.



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

*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

Catalogue No.: 140-025-200

Lot No.: SC9261559

Weight (g): 20

Consensus Value (mg/kg): 94.3

Confidence Interval (mg/kg): 92.1 – 96.1

Tolerance Interval (mg/kg): 70.3 – 118.3

Level 2 RM - Lead in Paint

Catalogue No.: 140-025-201

Lot No.: SC9261560

Weight (g): 20

Consensus Value (mg/kg): 287.4

Confidence Interval (mg/kg): 282.5 – 292.3

Tolerance Interval (mg/kg): 233.2 – 341.7

RM - Cadmium and Lead in Paint

Catalogue No.: 140-025-205

Lot No.: S11031106

Weight (g): 20

Consensus Value (mg/kg): Cd 219.4

Pb 224.2

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

010-500-205

010-505-205

010-500-220

010-500-250

010-500-261

010-500-079

250-037-175

250-037-155

140-051-390 (2x25 ml) • 140-051-391 (125 ml) • 140-051-395 (500 ml)

140-051-820 (2x25 ml) • 140-051-821 (125 ml) • 140-051-825 (500 ml)

140-102-010 (2x25 ml) • 140-102-011 (100 ml) • 140-102-015 (500 ml)

250-310-820

Description

Graphite Digestion Block, *DigIPREP MS*, 50 ml, 48 positions, requires controller

Graphite Digestion Block, *DigIPREP Jr.*, 50 ml, 24 positions, requires controller

KeyPAD Controller for *DigIPREP* graphite digestion blocks

Touch Screen Controller, color display, for *DigIPREP* graphite digestion blocks

Digestion Vessel, *DigITUBE*, 50 ml, PP, RackLock with caps, 750/pack

Digestion Vessel, *DigITUBE*, 50 ml, borosilicate, 6/pack

Nitric Acid 67%-70% HNO₃, *PlasmaPURE*, 2.5 L

Hydrochloric Acid, 34%-37% HCl, *PlasmaPURE*, 2.5 L

Yttrium ICP Standard, 1000 µg/ml

Lead ICP Standard, 1000 µg/ml

Quality Control Standard 1 (QC 19) **

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