



U.S. Department of Commerce
C. William Verity
Secretary

National Bureau of Standards
Ernest Ambler, Director

National Bureau of Standards

Certificate of Analysis

Standard Reference Material C2418

High-Purity Lead

(In Cooperation with the American Society for Testing and Materials)

This Standard Reference Material (SRM) is intended for use as a composition standard for optical emission spectrometric methods of analysis. It is in the form of a disk 50 mm (2 in.) in diameter and 16 mm (5/8 in.) thick.

<u>Element</u>	<u>Certified Value¹</u> <u>Percent by Weight</u>	<u>Estimated²</u> <u>Uncertainty</u>
Cadmium	0.0003	0.0001
Silver	.0007	.0001

¹ The certified value listed for a constituent is the present best estimate of the "true" value based on the results of the cooperative program for certification.

² The estimated uncertainty listed for a constituent is based on judgment and represents an evaluation of the combined effects of method imprecision, possible systematic errors among methods, and material variability. No attempt was made to derive exact statistical measures of imprecision because several methods were involved in the determination of most constituents.

Use: The smaller diameter surface (containing a cast indentation) is the surface intended for analytical use. A fresh surface should be prepared by lathe turning for each use of the SRM.

The overall coordination of the technical measurements leading to certification was performed under the direction of J.I. Shultz, Research Associate, ASTM-NBS Research Associate Program.

The technical and support aspects involved in the preparation, certification, and issuance of this Standard Reference Material were coordinated through the Office of Standard Reference Materials by W.P. Reed.

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Stanley D. Rasberry, Chief
Office of Standard Reference Materials

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