National Institute of Standards & Technology

Certificate of Analysis

Standard Reference Material 127b

Solder

(40 Sn-60 Pb)

This Standard Reference Material (SRM) was prepared by Alcan Metal Powders, Inc., Elizabeth, New Jersey, as Alloy 40B to specifications for solder contained in ASTM Designation B32. The material was atomized to powder and sized between 100 and 325 mesh sieves (.15 mm and .045 mm).

The certified values are given below. The uncertainty of the certified value is expressed in significant digits. The value listed is not expected to deviate from the true value by more than ± 1 in the last significant figure reported. [NBS Monograph 148].

Element	Percent by Weight
Tin	39.3
Antimony	0.43
Arsenic	.01
Bismuth	.06
Copper	.011
Nickel	.012
Silver	.01

[Note: Essentially the same material also is available as SRM 1131 in the form of disks, 1 1/4 inches in diameter and 3/4 inch thick. It is intended primarily for application in optical emission and x-ray spectroscopic methods of analysis.]

Gaithersburg, MD 20899
August 24, 1990
(Revision of certificate
dated 1-25-68 and 10-1-81)

William P. Reed, Acting Chief
Standard Reference Materials Program