102.10 - Lead Base Alloys (disk and powder forms)

SRMs in the form of disks are approximately 50 mm in diameter and 16 mm thick. They are intended for use with optical emission spectrometric methods of analysis.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

	53e	127b	1129	1131	1132	C2415a	C2416	C2417
Description >>	**Lead-Base Bearing Metal (84Pb-10Sb-6Sn)**	**Solder (40Sn-60Pb)**	**Solder (63Sn-37Pb)**	**Solder (40Sn - 60Pb)**	**Lead-Base Bearing Metal (84 Pb-10 Sb-6 Sn)**	**Battery Lead (UNS 52770)**	**Bullet Lead**	**Lead-Base Alloy**
Unit of Issue >>	**150 g**	**150 g**	**200 g**	**disk**	**disk**	**disk**	**disk**	**disk**
Concentration are expressed as mass fraction, in %.								
Aluminum							(<0.0001)	(<0.0001)
Antimony	10.26	0.43	0.13	0.43	10.26	2.981	0.79	0.010
Arsenic	0.057	0.01	0.055	0.01	0.057	0.1865	0.056	0.011
Bismuth	0.052	0.06	0.13	0.06	0.052	0.0507	0.10	0.010
Cadmium						0.00497	(0.0002)	(<0.0002)
Calcium							<0.001	(<0.001)
Cobalt							(<0.0002)	(<0.0002)
Copper	0.054	0.011	0.16	0.011	0.054	0.1022	0.065	0.010
Iron	<0.001				<0.001		(<0.0005)	(<0.0003)
Manganese							(<0.0005)	(<0.0003)
Nickel	0.003	0.012	0.010	0.012	0.003	0.00436	(<0.0005)	(<0.0005)
Selenium						0.01005		
Silver		0.01	0.075	0.01		0.00762	0.0044	0.010
Sulfur						*0.0061*	0.0015	(<0.0005)
Tellurium						0.01034	(<0.0005)	(<0.0005)
Tin	5.84	39.3	62.7	39.3	5.84	0.3058	0.09	(<0.010)
Zinc							(<0.0005)	(<0.0005)

- Certified values are normal font
- Non-certified or reference values are italicized
- Non-certified values in parentheses are for information only