

102.10 - Lead Base Alloys (disk and powder forms)

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.

Description >>	53e Lead-Base Bearing Metal (84Pb-10Sb-6Sn)	127b Solder (40Sn-60Pb)	1129 Solder (63Sn-37Pb)	1131 Solder (40Sn - 60Pb)	1132 Lead-Base Bearing Metal (84 Pb-10 Sb-6 Sn)	C2415a Battery Lead (UNS 52770)	C2416 Bullet Lead	C2417 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							(<i><0.0001</i>)	(<i><0.0001</i>)
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	(<i>0.0002</i>)	(<i><0.0002</i>)
Calcium							<i><0.001</i>	(<i><0.001</i>)
Cobalt							(<i><0.0002</i>)	(<i><0.0002</i>)
Copper	0.054	0.011	0.16	0.011	0.054	0.1022	0.065	0.010
Iron	<i><0.001</i>				<i><0.001</i>		(<i><0.0005</i>)	(<i><0.0003</i>)
Manganese							(<i><0.0005</i>)	(<i><0.0003</i>)
Nickel	0.003	0.012	0.010	0.012	0.003	0.00436	(<i><0.0005</i>)	(<i><0.0005</i>)
Selenium						0.01005		
Silver		0.01	0.075	0.01		0.00762	0.0044	0.010
Sulfur						<i>0.0061</i>	0.0015	(<i><0.0005</i>)
Tellurium						0.01034	(<i><0.0005</i>)	(<i><0.0005</i>)
Tin	5.84	39.3	62.7	39.3	5.84	0.3058	0.09	(<i><0.010</i>)
Zinc							(<i><0.0005</i>)	(<i><0.0005</i>)

- Certified values are normal font.

- Non-certified and reference values are italicized.

- Values of potential interest and information values are within parentheses.