

## 102.18 - Zirconium Base Alloys (chip and block 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.

	<a href="#">360c</a>	<a href="#">1229</a>
Description >>	Zirconium (Sn-Fe-Cr) Alloy	Zirconium (Sn-Fe-Cr) Alloy UNS R60804
Unit of Issue >>	100 g	block

Concentration are expressed as mass fraction, in mg/kg.

Aluminum (Al)	20	20
Antimony (Sb)	(<10)	(<10)
Bismuth (Bi)	(<1)	(<1)
Boron (B)	0.563	0.6
Cadmium (Cd)	(0.08)	(0.07)
Calcium (Ca)	(<10)	(<10)
Chlorine (Cl)	(<1)	(<1)
Chromium (Cr)	1539	1539
Cobalt (Co)	5.12	5.12
Copper (Cu)	5.31	5.31
Gadolinium (Gd)	(<2.5)	(<2.5)
Hafnium (Hf)	31.7	31.7
Hydrogen (H)	(16)	(14)
Iron (Fe)	1601	1601
Lead (Pb)	7.98	8.0
Manganese (Mn)	7.2	7.2
Magnesium (Mg)	(<10)	(<10)
Molybdenum (Mo)	(9)	(9)
Nickel (Ni)	17.8	17.8
Niobium (Nb)	99.9	99.9
Nitrogen (N)	33	(21)
Oxygen (O)	(1100)	(940)
Palladium (Pd)	(20)	(20)
Phosphorus (P)	87.2	87.2
Ruthenium (Ru)	(<50)	(<50)
Samarium (Sm)	(<5)	(<5)
Silicon (Si)	(30)	(36)
Silver (Ag)	(<1)	(<1)
Sodium (Na)	(<5)	(<5)
Tantalum (Ta)	193.2	174
Thallium (Tl)	(<25)	(<25)
Thorium (Th)	(<3.5)	(<3.5)
Tin (Sn)	19900	19900
Titanium (Ti)	12.6	12.6
Tungsten (W)	22.1	22.1
Uranium (U)	(<1)	(<1)
Vanadium (V)	19.63	21
Yttrium (Y)	(<5)	(<5)
Zinc (Zn)	(<50)	(<50)

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