

102.16 - Titanium Base Alloys (chip and disk 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.

Concentration are expressed as mass fraction, in % (unless noted by an asterisk * for mg/kg).

SRM	Description	Unit of Issue	Aluminum	Boron	Carbon	Chromium	Cobalt	Copper	Hydrogen	Iron	Manganese	Molybdenum	Nickel	Niobium	Nitrogen	Oxygen	Ruthenium	Silicon	Sulfur	Tin	Titanium	Tungsten	Vanadium	Zirconium
173c	Titanium Alloy UNS R56400 (chip form)	50 g	6.245	<i>0.45*</i>	<i>0.027</i>	0.0165	(0.002)	0.0040	(0.006)	0.2130	(0.002)	<i>0.0068</i>	0.0203		<i>0.028</i>	<i>0.164</i>	(0.0006)	<i>0.019</i>	<i>0.010</i>	<i>89.15</i>	(0.002)	4.154	<i>0.0053</i>	
647	Titanium Alloy, Al-Mo-Sn-Zr	50 g	5.88		0.006					0.075		1.96			(<0.01)					2.02			(<0.02)	3.90
648	Titanium-Base Alloy 5Al-2Sn-2Zr-4Cr-4Mo	50 g	5.13		0.011	3.84				0.15		3.75			(0.01)		0.027			1.98				1.84
649	Titanium-Base Alloy (15V-3Al-3Cr-3Sn)	50 g	3.08		0.011	2.96		(<0.001)		0.133	(<0.01)				(0.01)					3.04			15.1	
654b	Titanium Alloy, Al-V	disk	6.34	<i>1.12*</i>		0.025		<i>80*</i>	(0.002)	0.23		0.013	0.028			(0.17)		0.045	(0.001)	230*			4.31	0.008
1128	Titanium -Base Alloy (15V-3Al-3Cr-3Sn)	disk	3.06		0.011	2.96		(<0.003)		0.134	(<0.01)	(0.006)			(0.01)					3.04			15.13	
2061	TiAl(NbW) Alloy for Microanalysis	cube	30.31											10.78	(0.004)	(0.232)					53.92	4.38		
2431	Titanium Base Alloy	50 g	5.73		0.006	(<0.01)		(<0.01)		0.056	(<0.01)	6.01	(<0.01)					0.088		1.98		(<0.001)	(<0.01)	4.06
2432	Titanium-Base Alloy 10V - 2Fe - 3Al	50 g	3.15	(<0.001)	0.008	(<0.01)		(<0.005)		1.77	(<0.01)		(<0.01)					0.029				(<0.001)	10.00	(<0.01)
2433	Titanium-Base Alloy 8Al-1Mo-1V	50 g	7.63							0.063		0.99												0.98
2452	Hydrogen In Titanium Alloy (Nominal Mass Fraction 60 mg/kg H) (chip form)	10 g							0.00559															
2453a	Hydrogen In Titanium Alloy (Nominal Mass Fraction 125 mg/kg H)	10 g							0.01268															
2454a	Hydrogen in Titanium Alloy (Nominal Mass Fraction 215 mg/kg H) (pin form)	10 g							0.02160															

- Certified values are normal font.

- Non-certified and reference values are italicized.

- Information values and values of potential interest are within parentheses.