102.12 - Nickel Base Alloys (chip, disk, and granule 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	Antimony	Arsenic	Bismuth	Boron	Carbon	Chromium	Cobalt	Copper	Gallium	Hafnium	Iron	Lead	Magnesium	Manganese	Molybdenum	Nickel	Niobium	Nitrogen	Phosphorus	Selenium	Silicon	Silver	Sulfur	Tantalum	Tellurium	Thallium	Tin	Titanium	Tungsten	Vanadium	Zinc	Zirconium
349a	Waspaloy	150 g	1.23				0.005	0.035	19.3	12.46	0.007			1.15			0.019	4.25	58.1	(0.05)		0.003		0.018		0.0024					3.06	(0.06)	0.12		
861	Nickel-based Superalloy PWA 1484 (chip form)	50 g																				*0.001271*				0.0000561									
864	Nickel Alloy UNS N06600 (chip form)	100 g	0.252		*19.0**		28.3*	*0.063*	15.74	0.0602	0.255			9.63	2.27*	138.3*	0.288	0.204	73.09	*0.126*	(0.01)	*0.011*		*0.114*		*0.0028*			0.0029*	*7.4**	*0.251*		0.0327		*3.7**
865	Inconel 625	150 g	0.21				<0.001	0.037	21.9	0.072	0.36	(0.012)		4.5			0.18	8.6	59.5	3.5		0.012		0.41		0.001					0.28				
882	Nickel-Copper Alloy (65Ni-31Cu-3Al) (granule form)	100 g	2.845		(0.0001)		(0.0001)	0.0065	(0.0001)	(0.007)	31.035			0.0093	(0.0006)	(0.001)	(0.0007)		65.25				(0.0002)	*0.006*	(0.0004)	*0.0014*				(0.003)	0.565		(0.0001)	(0.0005)	
897	Tracealloy A	35 g	(2)	*1.6**		*0.55**	(0.01)	(0.12)	(12)	(8.5)		*6.3**	(1.2)		11.48*				(Bal)	(0.9)			9.29*		*0.9**		(1.75)	1.060*	0.536*	*4.2**	(2)	(1.75)			(0.1)
899	Tracealloy C	35 g	(2)	*1.53**		*0.24**	(0.01)	(0.12)	(12)	(8.5)		*6.0**	(1.2)		3.928*				(Bal)	(0.9)			9.36*		0.8*		(1.75)	5.72*	0.273*	*4.2**	(2)	(1.75)			(0.1)
1159	Electronic and Magnetic Alloy Standard	disk						0.007	0.06	0.022	0.038			51.0			0.305	0.010	48.2			0.003		0.32		0.003									
1160	Elec/Mag Ni-Mo-Fe	disk						0.019	0.05	0.054	0.021			14.3			0.550	4.35	80.3			0.003		0.37		0.001									
1243	Ni-Cr-Co Alloy UNS N07001 (disk form)	disk	*1.23*				49.4*	*0.024*	19.05	12.39	63*			0.776			73.0*	4.226	58.782	0.0286		31.7*		0.0192		21.7*	(0.0003)				3.054	*0.0139*	0.1043		*0.053*
1244	Nickel Alloy UNS N06600 (disk form)	disk	0.252		*19.0**		28.3*	*0.063*	15.74	0.0602	0.255			9.63	2.27*	138.3*	0.288	0.204	73.09	*0.126*	(0.01)	*0.011*		*0.114*		*0.0028*			0.0029*	*7.4**	*0.251*		0.0327		*3.7**
C1248	Nickel-Copper Alloy	disk	0.009					0.266	0.095		29.80			2.10	3.8 mg/kg		0.31	0.006	65.75			0.002		1.61		0.0008				1.1 mg/kg				3 mg/kg	
1249	Ni-Cr-Fe-Nb-Mo Alloy UNS N07718 (disk form)	disk	0.5682	*0.00030*	*0.0013*		*0.0023*	*0.0380*	18.472	0.3371	0.1402	*0.0019*		17.693		*0.0012*	0.109	3.112	53.29	5.196		*0.0134*		*0.120*		*0.00064*	*0.0027*			*0.0024*	0.959	*0.0846*	*0.0338*		*0.0029*
1775	Refractory Alloy MP-35-N	disk	0.024				0.0097	0.0051	20.4	33.3	0.0046			0.91			0.0121	9.508	34.91	(0.03)	(0.002)	0.0006		(0.02)		0.0013						(0.02)	0.0095		
2175	Refractory Alloy MP-35-N	150 g	0.024				0.0097	0.0051	20.4	33.3	0.0046			0.91			0.0121	9.508	34.91	(0.03)	(0.002)	0.0006		(0.02)		0.0013						(0.02)	0.0095		

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