

102.2 - Cobalt 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.

	862	1242	1775	2175
Description >>	High-Temperature Alloy L 605	High Temperature Alloy L 605	Refractory Alloy MP-35-N	Refractory Alloy MP-35-N
Unit of Issue >>	100 g	disk	disk	150 g

Concentration are expressed as mass fraction, in %.

Aluminum	(<0.01)	(<0.01)	<i>0.024</i>	<i>0.024</i>
Boron	(<0.0001)	(<0.0001)	0.0097	0.0097
Carbon	0.120	0.126	<i>0.0051</i>	<i>0.0051</i>
Chromium	20.0	20.0	20.4	20.4
Cobalt	51.5	51.5	33.3	33.3
Copper	0.0010	0.0010	<i>0.0046</i>	<i>0.0046</i>
Iron	1.80	1.80	0.91	0.91
Manganese	1.59	1.58	0.0121	0.0121
Molybdenum			9.508	9.508
Nickel	9.74	9.78	34.91	34.91
Niobium	(<0.005)	(<0.005)	0.03	0.03
Nitrogen	0.026	0.026	0.002	0.002
Phosphorus	0.002	0.002	<i>0.0006</i>	<i>0.0006</i>
Silicon	0.017	0.016	0.02	0.02
Sulfur	0.0008	0.0007	0.0013	0.0013
Tantalum	(<0.01)	(<0.01)		
Tungsten	15.1	15.1	0.02	0.02
Vanadium	0.005	0.005	0.0095	0.0095

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