

Certificate of analysis

Product No.: 11097

Product: Vanadium foil, 1.0mm (0.04in) thick, 99.5% (metals basis)

Lot No.: N28F067

V 99.9 %

Ag	< 0.1	Al	420	As	0.31	Au	< 0.05
B	0.59	Ba	< 0.01	Be	< 0.01	Bi	< 0.005
Br	< 0.05	C	120	Ca	< 0.1	Cd	< 0.05
Ce	< 0.005	Cl	0.45	Co	0.02	Cr	0.13
Cs	< 0.01	Cu	0.12	Dy	< 0.005	Er	< 0.005
Eu	< 0.005	F	0.5	Fe	28	Ga	< 0.05
Gd	< 0.005	Ge	< 0.1	H	10	Hf	< 0.01
Hg	< 0.1	Ho	< 0.005	I	< 0.01	In	< 0.05
Ir	< 0.01	K	0.11	La	< 0.01	Li	< 0.01
Lu	< 0.005	Mg	< 0.01	Mn	< 0.01	Mo	18
N	100	Na	0.24	Nb	0.05	Nd	< 0.005
Ni	12	O	210	Os	< 0.01	P	8.9
Pb	< 0.01	Pd	< 0.05	Pr	< 0.005	Pt	< 0.05
Rb	< 0.01	Re	0.04	Rh	< 0.01	Ru	< 0.05
S	4.8	Sb	< 0.05	Sc	< 0.01	Se	< 0.1
Si	450	Sm	< 0.005	Sn	< 0.05	Sr	< 0.5
Ta*	< 5	Tb	< 0.005	Te	< 0.05	Th	< 0.005
Ti	0.49	Tl	< 0.005	Tm	< 0.005	U	< 0.005
W	2.3	Y	< 0.5	Yb	< 0.005	Zn	0.25
Zr	1.9						

Values given in ppm unless otherwise noted

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