

Certificate of analysis

Product No.: 42830

Product: Vanadium slug,
6.35mm (0.25in) dia x 6.35mm (0.25in) length,
99.8% (metals basis)

Lot No.: X02B018

V 99.94 %

Ag	< 0.1	Al	1.2	As	< 0.05	Au	< 0.05
C	60	Ba	< 0.01	Be	< 0.01	Bi	< 0.005
Br	< 0.05	Ca	0.1	Cd	< 0.05	Ce	< 0.005
Cl	0.24	Co	0.69	Cr	2.2	Cs	< 0.01
Cu	1.7	Dy	< 0.005	Er	< 0.005	Eu	< 0.005
F	< 0.05	Fe	70	Ga	< 0.05	Gd	< 0.005
Ge	< 0.1	Hf	3.6	Hg	< 0.1	Ho	< 0.005
I	< 0.01	In	< 0.05	Ir	< 0.01	K	0.09
La	< 0.01	Li	< 0.01	Lu	< 0.005	Mg	< 0.01
Mn	< 0.01	Mo	5.9	Na	0.04	Nb	320
Nd	< 0.005	Ni	23	Os	< 0.01	P	0.76
Pb	< 0.01	Pd	< 0.05	Pr	< 0.005	Pt	< 0.05
Rb	< 0.01	Re	< 0.01	Rh	< 0.01	Ru	< 0.05
S	9.1	Sb	< 0.05	Sc	< 0.01	Se	< 0.1
Si	21	Sm	< 0.005	Sn	< 0.05	Sr	< 0.5
Ta	< 5	Tb	< 0.005	Te	< 0.05	Th	0.008
Ti	42	Tl	< 0.005	Tm	< 0.005	U	< 0.005
W	4.3	Y	< 0.5	Yb	< 0.005	Zn	< 0.05
Zr	8.2	N	5.9	O	230		

Values given in ppm unless otherwise noted
Carbon, nitrogen and oxygen determined by LECO
All other elements determined by GDMS

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