

Certificate of analysis

Product Number: 11144

Product: Germanium pieces, 2cm (0.8in) & down,
Puratronic®, 99.9999+% (metals basis)

Lot Number: N14F010

Li	< 0.005	Be	< 0.005	B	< 0.005	F	< 0.5
Na	< 0.005	Mg	< 0.005	Al	< 0.005	Si	< 0.01
P	< 0.005	S	< 0.005	Cl	< 0.1	K	< 0.01
Ca	< 0.01	Sc	< 0.005	Ti	< 0.005	V	< 0.005
Cr	< 0.005	Mn	< 0.05	Fe	< 0.05	Co	< 0.005
Ni	< 0.01	Cu	< 0.01	Zn	< 0.01	Ga	< 0.1
Ge	Matrix	As	< 0.2	Se	< 0.05	Br	< 0.05
Rb	< 0.01	Sr	< 0.05	Y	< 0.05	Zr	< 0.05
Nb	< 0.005	Mo	< 0.05	Ru	< 0.01	Rh	< 0.01
Pd	< 0.05	Ag	< 0.05	Cd	< 0.1	In	< 0.05
Sn	< 0.05	Sb	< 0.05	Te	< 0.01	I	< 0.05
Cs	< 0.05	Ba	< 0.01	La	< 0.005	Ce	< 0.01
Pr	< 0.01	Nd	< 0.01	Sm	< 0.01	Eu	< 0.01
Gd	< 0.01	Tb	< 0.01	Dy	< 0.01	Ho	< 0.01
Er	< 0.01	Tm	< 0.01	Yb	< 0.01	Lu	< 0.01
Hf	< 0.01	Ta	< 5	W	< 0.01	Re	< 0.01
Os	< 0.01	Ir	< 0.01	Pt	< 0.01	Au	< 0.1
Hg	< 0.01	Tl	< 0.01	Pb	< 0.01	Bi	< 0.01
Th	< 0.005	U	< 0.005				

Values are given in ppm unless otherwise specified.

ND: Not determined

Analysis method: GDMS

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