

Certificate of analysis

Product No.: 44244

Product: Hafnium(IV) sulfate, 99.9% (metals basis excluding Zr), Zr <1%

Lot No.: Q29A002

Appearance	White to off-white powder
Hf	48.4 %
Purity	99.9 %

Ag	10	Al	10	As	< 2	Ba	< 1
Be	< 1	Bi	< 2	Ca	34	Cd	5
Co	< 2	Cr	<	Cu*	< 1	Fe	6
K	6	La	< 1	Li*	< 2	Lu	< 1
Mg	20	Mn	1.8	Mo	2	Na	31
Nb	< 2	Ni	< 5	Pb	< 2	Pd	< 1
Pt	< 5	Rb	< 1	Re	< 2	Ru	< 2
Sb	< 5	Sc	< 0.2	Sn	< 2	Ta	< 10
Te	< 1	Ti	4.6	V	< 1	Y	< 5
Yb	< 2	Zn	< 0.1	Zr	700		

Values given in ppm unless otherwise noted

* = impurities determined by AA

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