

Certificate of analysis

Samarium (III) 2,4-pentanedionate, 99.9% (REO)

Stock Number: 40665

Lot Number: K17N17

Analysis

Sm (theory, anhydrous) 33.59 %
 Sm (found) 31.05 %
 Method EDTA titration using
 methylthymol blue
 Water of hydration X = 2.04

Ag	< 0.001	Al	< 0.001	As	< 0.001	Au	< 0.001
B	< 0.001	Ba	< 0.001	Be	< 0.001	Bi	< 0.001
C	ND	Ca	0.001	Cd	< 0.001	Ce	< 0.001
Co	< 0.001	Cr	< 0.001	Cs	ND	Cu	< 0.001
Dy	< 0.001	Er	< 0.001	Eu	< 0.001	Fe	0.001
Ga	< 0.001	Gd	0.020	Ge	< 0.001	Hf	< 0.001
Hg	< 0.001	Ho	< 0.001	In	< 0.001	Ir	< 0.001
K	< 0.001	La	< 0.001	Li	< 0.001	Lu	< 0.001
Mg	< 0.001	Mn	< 0.001	Mo	< 0.001	Na	< 0.001
Nb	< 0.001	Nd	< 0.001	Ni	< 0.001	Os	< 0.001
P	< 0.001	Pb	< 0.001	Pd	< 0.001	Pr	< 0.001
Pt	< 0.001	Rb	ND	Re	< 0.001	Rh	< 0.001
Ru	< 0.001	S	ND	Sb	< 0.001	Sc	< 0.001
Se	< 0.001	Si	0.007	Sm	Major	Sn	< 0.001
Sr	< 0.001	Ta	< 0.001	Tb	< 0.001	Te	< 0.001
Th	< 0.001	Ti	< 0.001	Tl	< 0.001	Tm	< 0.001
U	< 0.001	V	< 0.001	W	< 0.001	Y	< 0.001
Yb	< 0.001	Zn	< 0.001	Zr	< 0.001		

Values are given in ppm unless otherwise specified

ND: Not determined

Certified by:



Quality Control

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