

Certificate of analysis

Cerium(III) carbonate hydrate, REacton[®], 99.9% (REO)

Stock Number: 15295
Lot Number: C19W011

Analysis

TREO 50.5 %

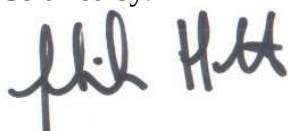
Fe ₂ O ₃	16	CaO	11	MgO	< 2
Al ₂ O ₃	< 10	SiO ₂	< 25	Ti	< 1
V	< 1	Cr	< 1	Mn	< 1
Co	< 1	Ni	< 1	Cu	1
ZnO	2	Sr	< 1	Cd	< 1
Sn	< 1	Sb	< 1	Ba	< 1
Pb	< 1	U	< 1	Na	< 5
Cl	< 50	N-NH ₄	0.01 %	N-NO ₃	0.28 %
K ₂ O	< 5	P	< 25	S	40
S-SO ₄	115				

Values given in ppm unless otherwise noted

CeO ₂	99.9 %	Y ₂ O ₃	7	La ₂ O ₃	127
Pr ₆ O ₁₁	645	Nd ₂ O ₃	19	Sm ₂ O ₃	4
Eu ₂ O ₃	1	Gd ₂ O ₃	< 5	Tb ₄ O ₇	< 5
Dy ₂ O ₃	1	Ho ₂ O ₃	< 1	Er ₂ O ₃	1
Tm ₂ O ₃	< 1	Yb ₂ O ₃	3	Lu ₂ O ₃	3
ThO ₂	< 1				

Values given in ppm on TREO basis unless otherwise noted

Certified by:



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