

Certificate of analysis

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

Stock Number: 15295

Lot Number: F05T022

Analysis

TREO 49.0 %

Fe ₂ O ₃	3	CaO	31	MgO	< 2
2O ₃	< 10	SiO ₂	15	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	Li	< 1	Cl	< 15
Na	< 5	K ₂ O	< 5	P	105
S	25	NH ₄	< 0.05 %	NH ₃	0.15 %

Values given in ppm unless otherwise noted

CeO ₂	99.93 %	Y ₂ O ₃	6	La ₂ O ₃	172
Pr ₆ O ₁₁	447	Nd ₂ O ₃	42	Sm ₂ O ₃	12
Eu ₂ O ₃	2	Gd ₂ O ₃	< 2	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	< 1
ThO ₂	< 0.2				

Values given in ppm on TREO base unless otherwise noted

Certified by:



Quality Control

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