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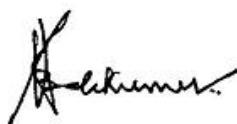
Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	47158
Product	Cerium oxide nanopowder (100~1000 nm)
Lot Number	003344-2113-071023
CAS Number	1306-38-3
Molecular Formula	CeO ₂
Molecular Weight	172.11

Appearance	Off-white nanopowder
Mesh Size	APS 490 nm
Related Substances	Rare earth content : La ₂ O ₃ : 0.04%, Pr ₆ O ₁₁ : 0.02%, Nd ₂ O ₃ : < 0.01% Sm ₂ O ₃ : < 0.01%, Y ₂ O ₃ : < 0.01% Non-rare earth content : Fe ₂ O ₃ : 0.005%, SiO ₂ : 0.009%, CaO : 0.008%
Purity	99.9% (CeO ₂ /REO), 99% (TREO)
Storage	Store at RT
Additional Information	Loss on ignition : < 2% (1000 °C, 1h)
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager