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Certificate of Analysis

Catalogue Number	47157
Lot Number	003344-2110-010923
Product	Cerium oxide nanopowder (10~30 nm)
CAS Number	1306-38-3
Molecular Formula	CeO ₂
Molecular Weight	172.11

Appearance	Pale yellow nanopowder
Density	7.17 g/cm ³ (True)
Mesh Size	APS 10~30 nm, SSA 30~50 m ² /g
Related Substances	Rare earth contents : La ₂ O ₃ : 0.010%, Pr ₆ O ₁₁ : 0.005%, Nd ₂ O ₃ : 0.005%, Sm ₂ O ₃ : 0.003%, Y ₂ O ₃ : 0.005%, Non-rare earth contents : Fe ₂ O ₃ : 0.0010%, SiO ₂ : 0.005%, CaO : 0.008%, CuO : 0.0007%, NiO : 0.0010%, PbO : 0.005%
Purity	> 99.95% (CeO ₂ /REO)
Storage	Store at RT
Additional Information	Loss on ignition : 1.36% (1000°C at 1 h)
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