

# *Chem-Impex International, Inc.*

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## *Product Specifications*



<b>Catalogue Number</b>	47158
<b>Product</b>	<b>Cerium oxide nanopowder (100~1000 nm)</b>
<b>CAS Number</b>	1306-38-3
<b>Molecular Formula</b>	CeO <sub>2</sub>
<b>Molecular Weight</b>	172.11

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<b>Appearance</b>	Off-white nanopowder
<b>Mesh Size</b>	APS 100~1000 nm
<b>Related Substances</b>	Rare earth content : La <sub>2</sub> O <sub>3</sub> : ≤ 0.04%, Pr <sub>6</sub> O <sub>11</sub> : ≤ 0.02%, Nd <sub>2</sub> O <sub>3</sub> : ≤ 0.01% Sm <sub>2</sub> O <sub>3</sub> : ≤ 0.01%, Y <sub>2</sub> O <sub>3</sub> : ≤ 0.01% Non-rare earth content : Fe <sub>2</sub> O <sub>3</sub> : ≤ 0.005%, SiO <sub>2</sub> : ≤ 0.009%, CaO : ≤ 0.008%
<b>Purity</b>	≥ 99.9% (CeO <sub>2</sub> /REO), ≥ 99% (TREO)
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Loss on ignition : ≤ 2% (1000 °C, 1h)

**For Laboratory Use Only**