

# *Chem-Impex International, Inc.*

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## *Product Specifications*



<b>Catalogue Number</b>	47157
<b>Product</b>	<b>Cerium oxide nanopowder (10~30 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>	Pale yellow-white powder
<b>Density</b>	7.0 - 7.2 g/cm <sup>3</sup>
<b>Mesh Size</b>	APS 10 - 30 nm, SSA 30 - 50 m <sup>2</sup> /g
<b>Related Substances</b>	Rare Earth content : La <sub>2</sub> O <sub>3</sub> : ≤ 0.01%, Sm <sub>2</sub> O <sub>3</sub> : ≤ 0.003%, Pr <sub>6</sub> O <sub>11</sub> , Nd <sub>2</sub> O <sub>3</sub> , Y <sub>2</sub> O <sub>3</sub> : ≤ 0.005%
<b>Purity</b>	≥ 99.9% (CeO <sub>2</sub> /REO)
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Loss on ignition : ≤ 1.5% (1000 °C at 1h) Non-Rare earth content : Fe <sub>2</sub> O <sub>3</sub> , NiO : ≤ 0.0010%, SiO <sub>2</sub> : ≤ 0.005%, CaO : ≤ 0.008%, CuO : ≤ 0.007%, PbO : ≤ 0.0005%

**For Laboratory Use Only**