

Cerium Oxide Nanoparticle (CeO₂, 99.97%, 10-30nm)

Stock #: US3036

Please click [here](#) for price information.

Details:

Cerium oxide nanopowder (CeO₂)

Purity: 99.97% (REO)

APS: 10-30nm

SSA: 30-50 m²/g

Color: light yellow

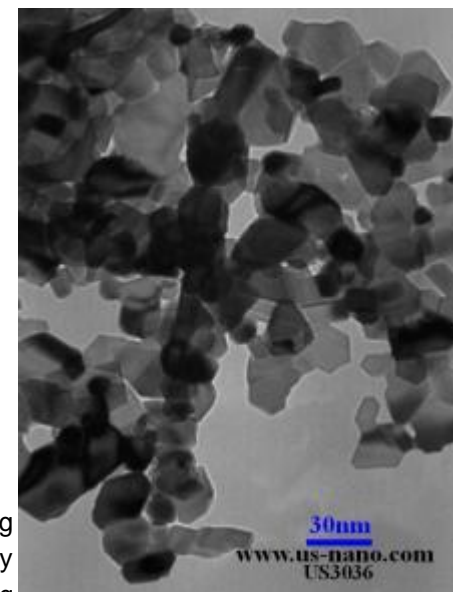
Morphology: spherical

Bulk density: ~ 0.8-1.1 g/cm³

True density: 7.132 g/cm³

Application:

Buffer layer for superconductors; Catalysts and catalyst support; Coatings for infrared filters; Coloring agents for plastics; Electrolyte and/or electrode materials for solid oxide fuel cells; Heat resistant alloy coatings; Infrared absorbents; Oxidation resistant coatings; Oxygen pumps; Oxygen sensors; Polishing media for electronic devices, glasses, and bearing balls; Sintering additives; Ultraviolet absorbent (absorption at ~ 400 nm is the strongest for any oxide)



[X-Ray](#)
[MSDS](#)

CeO ₂	APS	Y ₂ O ₃	Nd ₂ O ₃	Pr ₆ O ₁₁	Sm ₂ O ₃	Ho ₂ O ₃	Lu ₂ O ₃	Dy ₂ O ₃	Tb ₄ O ₇
99.97% (REO)	10-30nm	<10ppm	<22ppm	<36ppm	<10ppm	<10ppm	<10ppm	<10ppm	<10ppm
Er ₂ O ₃	Tm ₂ O ₃	Eu ₂ O ₃	Gd ₂ O ₃	Yb ₂ O ₃	La ₂ O ₃	Co ₂ O ₃	NiO	PbO	CaO
<10ppm	<10ppm	<10ppm	<10ppm	<10ppm	<86ppm	<5ppm	<5ppm	<5ppm	<65ppm
SiO ₂	Fe ₂ O ₃	MgO	ZnO	ZrO ₂	Cr ₂ O ₃	Al ₂ O ₃	CuO	MnO ₂	TiO ₂
<56ppm	<24ppm	<12ppm	<5ppm	<5ppm	<5ppm	13ppm	<5ppm	<5ppm	<5ppm

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