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**Skyspring nanomaterials**

## Yttrium Oxide Powder (Y<sub>2</sub>O<sub>3</sub>, 99.9+%, 0.5~1.0um)

Product Number: 8211CG

Form: White powder

Empirical Formula: Y<sub>2</sub>O<sub>3</sub>

### Specifications

Yttrium oxide (Y<sub>2</sub>O<sub>3</sub>)

Purity: 99.995% (REO)

Appearance: white powder

APS: 0.5-1.0 micron

Morphology: spherical

Bulk density: 0.33 g/cm<sup>3</sup>

True density: 5.01 g/cm<sup>3</sup>

Typical Impurities ( % ):

Rare Earth Contents	La <sub>2</sub> O <sub>3</sub>	≤0.0001
	CeO <sub>2</sub>	≤0.0001
	Pr <sub>6</sub> O <sub>11</sub>	≤0.0001
	Nd <sub>2</sub> O <sub>3</sub>	≤0.0001
	Sm <sub>2</sub> O <sub>3</sub>	≤0.0001
	Eu <sub>2</sub> O <sub>3</sub>	≤0.0001
	Gd <sub>2</sub> O <sub>3</sub>	≤0.0001
	Tb <sub>4</sub> O <sub>7</sub>	≤0.0001
	Dy <sub>2</sub> O <sub>3</sub>	≤0.0001
	Ho <sub>2</sub> O <sub>3</sub>	≤0.0002
	Er <sub>2</sub> O <sub>3</sub>	≤0.0002
	Tm <sub>2</sub> O <sub>3</sub>	≤0.00005
	Yb <sub>2</sub> O <sub>3</sub>	≤0.00005
Lu <sub>2</sub> O <sub>3</sub>	≤0.00005	
Non-Rare Earth Contents	Fe <sub>2</sub> O <sub>3</sub>	0.0013
	SiO <sub>2</sub>	0.0026
	CaO	0.0014
	CuO	≤0.001
	NiO	≤0.001
	PbO	≤0.001