

# *Chem-Impex International, Inc.*

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## *Product Specifications*



<b>Catalogue Number</b>	47262
<b>Product</b>	<b>Yttrium oxide powder (0.5~1 micron)</b>
<b>CAS Number</b>	1314-37-0
<b>Molecular Formula</b>	Y <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	225.81

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<b>Appearance</b>	White powder
<b>Mesh Size</b>	APS 0.5~1 micron, SSA : 40 m <sup>2</sup> /g
<b>Related Substances</b>	Rare earth contents : Sm <sub>2</sub> O <sub>3</sub> : ≤ 18 ppm, Eu <sub>2</sub> O <sub>3</sub> : ≤ 13 ppm, Tb <sub>4</sub> O <sub>7</sub> : ≤ 9 ppm, Dy <sub>2</sub> O <sub>3</sub> : ≤ 4 ppm, Lu <sub>2</sub> O <sub>3</sub> : ≤ 4 ppm, Non-Rare earth content : Fe <sub>2</sub> O <sub>3</sub> : ≤ 13 ppm, SiO <sub>2</sub> : ≤ 11 ppm, CaO : ≤ 10 ppm
<b>Purity</b>	≥ 99.995% (REO)
<b>Storage</b>	Store at RT

**For Laboratory Use Only**