

# *Chem-Impex International, Inc.*

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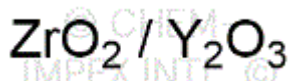
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Product Specifications*



<b>Catalogue Number</b>	47282
<b>Product</b>	<b>Yttria stabilized Zirconium oxide nanopowder (15~25 nm)</b>
<b>CAS Number</b>	1314-23-4
<b>Molecular Formula</b>	ZrO <sub>2</sub> -3Y
<b>Molecular Weight</b>	123.22

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<b>Appearance</b>	White powder
<b>Mesh Size</b>	APS 15 ~ 25 nm, SSA 10 ~ 30 m <sup>2</sup> /g
<b>Related Substances</b>	ZrO <sub>2</sub> : ≤ 94.5%, Y <sub>2</sub> O <sub>3</sub> : 5.4 - 5.5%, SiO <sub>2</sub> : ≤ 0.0037%, Fe <sub>2</sub> O <sub>3</sub> : ≤ 0.0008%, Na <sub>2</sub> O : ≤ 0.0003%, TiO <sub>2</sub> : ≤ 0.0011% CaO : ≤ 0.001%, Al <sub>2</sub> O <sub>3</sub> : ≤ 0.03%
<b>Purity</b>	≥ 99.9% (Trace metals basis)
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Loss of ignition : ≤ 1%

**For Laboratory Use Only**