

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	47285
<b>Product</b>	<b>Yttria stabilized Zirconium oxide nanopowder</b>
<b>Lot Number</b>	003344-8532-060220
<b>CAS Number</b>	1314-23-4
<b>Molecular Formula</b>	ZrO <sub>2</sub> - 8Y
<b>Molecular Weight</b>	123.22

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<b>Appearance</b>	White nanopowder
<b>Mesh Size</b>	APS 20 nm, SSA 35 m <sup>2</sup> /g
<b>Related Substances</b>	Fe <sub>2</sub> O <sub>3</sub> : < 0.05% SiO <sub>2</sub> : < 0.05%, Na <sub>2</sub> O : 0.017%, TiO <sub>2</sub> : 0.0023%, Al <sub>2</sub> O <sub>3</sub> : 0.0079%, HfO <sub>2</sub> : 0.052%
<b>Purity</b>	Y <sub>2</sub> O <sub>3</sub> : 13.5%, ZrO <sub>2</sub> : 86%
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Morpholgy : Nearly spherical
<b>Country of Origin</b>	China
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
Quality Control Manager