

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	47141
<b>Product</b>	<b>Boron oxide nanopowder (&lt;80 nm)</b>
<b>CAS Number</b>	1303-86-2
<b>Molecular Formula</b>	B <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	69.62

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<b>Appearance</b>	White nanopowder
<b>Mesh Size</b>	APS <80 nm
<b>Purity</b>	≥ 99.5% (Trace metals basis)
<b>Application</b>	Boron oxide has long played a role in the production of specialty glasses, so it's no surprise that engineers and researchers quickly found applications for it at nanoscale. As many nanomaterials do, boron oxide possesses unique optical properties at such scales, so its traditional role as material for optical fibers and related materials and devices
<b>Storage</b>	Store at RT

**For Laboratory Use Only**