

# Chem-Impex International, Inc.

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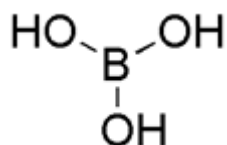
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

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<b>Catalogue Number</b>	00686
<b>Product</b>	<b>Boric acid</b>
<b>CAS Number</b>	10043-35-3
<b>Molecular Formula</b>	H <sub>3</sub> BO <sub>3</sub>
<b>Molecular Weight</b>	61.83
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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	5 g in 100 mL Water at 21 °C.
<b>Melting Point</b>	170 - 172 °C
<b>Heavy Metals</b>	≤ 0.001% (as Pb)
<b>Anion</b>	Chloride (Cl <sup>-</sup> ) : ≤ 0.001% Phosphate (PO <sub>4</sub> <sup>3-</sup> ) : ≤ 0.001% Sulfate (SO <sub>4</sub> <sup>2-</sup> ) : ≤ 0.01%
<b>Cation</b>	Iron (Fe) : ≤ 0.001% Calcium (Ca) : ≤ 0.005%
<b>pKa</b>	9 - 10
<b>Insoluble</b>	≤ 0.005% (In methanol)
<b>Non-Volatile Matter</b>	≤ 0.05% (in methanol)
<b>Assay by titration</b>	≥ 99.5%
<b>Grade</b>	ACS
<b>Storage</b>	Store at RT

**For Laboratory Use Only**