

Specification

**Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade**

**141015**


<b>Solubility:</b>	50 g/L (H <sub>2</sub> O)
<b>Physical Description:</b>	Solid
<b>Product Code:</b>	141015
<b>Product Name:</b>	Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade
<b>Specifications:</b>	<p>Assay (titr., calc. on dried subst.): 99.5 - 100.5 %</p> <p>Assay (titr.): 99.0 - 100.5 %</p> <p>Residual solvents (Ph. Eur./USP): passes test</p> <p>Residue on ignition (CH<sub>3</sub>OH + HCl): max. 0.1 %</p> <p>Appearance of solution: passes test</p> <p>Identity: passes test</p> <p>Solubility (EtOH 96 %): passes test</p> <p>pH (3.3 %; H<sub>2</sub>O): 3.8 - 4.8</p> <p>Loss on drying: max. 0.5 %</p> <p>Organic substances: passes test</p> <p>Chloride: max. 0.002 %</p> <p>Sulfate: max. 0.045 %</p> <p>Phosphate: max. 0.002 %</p> <p>As: max. 0.0005 %</p> <p>Fe: max. 0.001 %</p> <p>Pb: max. 0.001 %</p> <p>Mg: max. 0.005 %</p> <p>Ni: max. 0.001 %</p> <p>Cu: max. 0.001 %</p> <p>Elemental impurities (according to ICH Q3D):</p> <p>Class 2B (Tl): max. 0.8 ppm</p> <p>Class 2B (Ir): max. 10 ppm</p> <p>Class 2B (Pt): max. 10 ppm</p> <p>Class 2B (Ag): max. 15 ppm</p> <p>Class 1 (Cd): max. 0.5 ppm</p> <p>Class 1 (Hg): max. 1.5 ppm</p> <p>Class 2B (Ru): max. 10 ppm</p> <p>Class 3 (Sb): max. 120 ppm</p> <p>Class 2B (Pd): max. 10 ppm</p>

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	<p>Class 2B (Rh): max. 10 ppm          Class 1 (Pb): max. 0.5 ppm          Class 3 (Ba): max. 140 ppm          Class 3 (Mo): max. 25 ppm          Class 2A (Co): max. 5 ppm          Class 3 (Li): max. 55 ppm          Class 3 (Cr): max. 25 ppm          Class 3 (Cu): max. 250 ppm          Class 2B (Au): max. 10 ppm          Class 1 (As): max. 1.5 ppm          Class 2A (V): max. 10 ppm          Class 2A (Ni): max. 20 ppm          Class 2B (Se): max. 15 ppm          Class 3 (Sn): max. 600 ppm</p>
<b>Hazard pictograms</b>	
<b>WGK:</b>	1
<b>Storage:</b>	RT
<b>Signal Word:</b>	Danger
<b>GHS Symbols:</b>	GHS08
<b>H Phrases:</b>	H360FD
<b>P Phrases:</b>	<p>P201          P202          P280          P308+P313          P405          P501</p>

**Molecular Formula:**


H<sub>3</sub>BO<sub>3</sub>

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<b>CAS:</b>	10043-35-3
<b>EINECS:</b>	233-139-2
<b>CS:</b>	28100090
<b>Index Nr.:</b>	005-007-00-2
	

**AppliChem GmbH**

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • [info.de@itwreagents.com](mailto:info.de@itwreagents.com) • [www.itwreagents.com](http://www.itwreagents.com)  
CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340