

Specification

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

141015

Solubility:	50 g/L (H ₂ O)
Physical Description:	Solid
Product Code:	141015
Product Name:	Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade
Specifications:	<p>Assay (titr., calc. on dried subst.): 99.5 - 100.5 %</p> <p>Assay (titr.): 99.0 - 100.5 %</p> <p>Appearance of solution: passes test</p> <p>Identity: passes test</p> <p>Solubility (EtOH 96 %): passes test</p> <p>pH (3.3 %; H₂O): 3.8 - 4.8</p> <p>Loss on drying: max. 0.5 %</p> <p>Residue on ignition (CH₃OH + HCl): max. 0.1 %</p> <p>Residual solvents (Ph. Eur./USP): passes test</p> <p>Organic substances: passes test</p> <p>Sulfate: max. 0.045 %</p> <p>Chloride: max. 0.002 %</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>Cu: max. 0.001 %</p> <p>Mg: max. 0.005 %</p> <p>Ni: max. 0.001 %</p> <p>Elemental impurities (according to ICH Q3D):</p> <p>Class 1 (Cd): max. 0.5 ppm</p> <p>Class 2B (Au): max. 10 ppm</p> <p>Class 2B (Rh): max. 10 ppm</p> <p>Class 2A (Co): max. 5 ppm</p> <p>Class 3 (Li): max. 55 ppm</p> <p>Class 1 (Pb): max. 0.5 ppm</p>


AppliChem GmbH

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	<p>Class 1 (As): max. 1.5 ppm Class 1 (Hg): max. 1.5 ppm Class 2A (V): max. 10 ppm Class 2A (Ni): max. 20 ppm Class 2B (Tl): max. 0.8 ppm Class 2B (Pd): max. 10 ppm Class 2B (Ir): max. 10 ppm Class 2B (Os): max. 10 ppm Class 2B (Ru): max. 10 ppm Class 2B (Pt): max. 10 ppm Class 2B (Se): max. 15 ppm Class 2B (Ag): max. 15 ppm Class 3 (Sb): max. 120 ppm Class 3 (Ba): max. 140 ppm Class 3 (Mo): max. 25 ppm Class 3 (Cr): max. 25 ppm Class 3 (Cu): max. 250 ppm Class 3 (Sn): max. 600 ppm</p>
Hazard pictograms	
WGK:	1
Storage:	RT
Signal Word:	Danger
GHS Symbols:	GHS08
H Phrases:	H360FD
P Phrases:	P201

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

141015

	P202 P280 P308+P313 P405 P501
Molecular Formula:	H ₃ BO ₃
M:	61.83 g/mol
CAS:	10043-35-3
EINECS:	233-139-2
CS:	28100090
Index Nr.:	005-007-00-2
	

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