



Certificate of Analysis

Boric Acid ACS Reagent, 99.5%

Cat. No: CP-A1180D, CP-M1180D
CAS No: 10043-35-3
Lot: SZBG083BH

M.Wt: 61.83 g/mol
Spec.Gv: 1.51 g/cm³
Melting Pt: 171°C
Solubility in H₂O: 4.89%/Wt. @ 20°C Sat.Sol.

Retest Date: February 25, 2025

Parameter	Specification	Units	Result	Units
assay	min. 99.5	%	100.4	%
insoluble in methanol	max. 0.005	%	<0.005	
pH (4 %, 20°C)	3.6 - 4.0		3.6	%
with methanol-HCl non-volat. matter	max. 0.05	%	<0.05	%
arsenic (As)	max 0.00005	%	<0.00005	%
calcium (Ca)	max. 0.001	%	<0.001	%
copper (Cu)	max 0.0005	%	<0.0005	%
iron (Fe)	max. 0.001	%	<0.001	%
magnesium (Mg)	max. 0.0005	%	<0.0005	%
heavy metals (as Pb)	max. 0.0005	%	<0.0005	%
chloride (Cl)	max. 0.0003	%	<0.0003	%
phosphate (PO ₄)	max. 0.0005	%	<0.0005	%
sulfate (SO ₄)	max. 0.0005	%	<0.0005	%
appearance (color)	complying		complying	
appearance (form)	complying		complying	
solubility in C ₂ H ₅ OH	complying		complying	

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