

Certificate of Analysis

Date of Testing:	2024-08-13 10:51:08
Date of Next Testing:	2027-08-13 10:51:08
Product Name:	Boric acid
CAS Number:	10043-35-3
Specifications & Purity:	puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., buffer substance, ≥99.8%
Lot #:	H2401049
SKU #	B431191
Version	1
Analysis #:	398986

Parameter	Limit Values	Result
Assay(Titration by NaOH)	99.8-100.2 (%)	99.97 %
Insoluble matter in MeOH	0-0.005 (%)	0.00 %
PH(3.3%; in Water)	3.6-4.8	4.01
Non-Volatile matter(with methanol-HCl)	0-0.05 (%)	0.00010 %
Heavy metals	0-5 (ppm)	1.00 ppm
Arsenic(As)	0-0.0005 (%)	0.00000 %
Calcium(Ca)	0-0.001 (%)	0.00 %
Cadmium(Cd)	0-0.0005 (%)	0.00 %
Copper(Cu)	0-0.0005 (%)	0.00 %
Iron(Fe)	0-0.0001 (%)	0.00 %
Magnesium(Mg)	0-0.0005 (%)	0.00 %
Lead(Pb)	0-0.0005 (%)	0.00 %
Zinc(Zn)	0-0.0005 (%)	0.00 %
Chloride (Cl-)	0-3 (ppm)	0.00 ppm
(PO4)Phosphate	0-5 (ppm)	0.00 ppm
Sulfate(SO ₄)	0-5 (ppm)	0.00000 ppm
Appearance(B431191)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
solubility in ethanol	pass	Pass



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager