

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-26 14:50:48

Date of Next Testing: 2029-03-25 14:50:48

Product Name: **Boric acid**

CAS Number: 10043-35-3

Specifications & Purity: UltraBio™, Suitable for molecular biology, ≥99.5%(T)

Lot #: C2624318

SKU #: **B755555**

Version: **1**

Analysis #: **674513**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(titration by 1M NaOH)	99.5-101 (%)	100.50000 %
Drying loss	0-0.5 (%)	0.00000 %
Aluminum(Al)	0-5 (ppm)	0.02520 ppm
Arsenic(As)	0-0.5 (ppm)	0.02520 ppm
Barium(Ba)	0-5 (ppm)	0.03250 ppm
Bismuth(Bi)	0-5 (ppm)	0.13200 ppm
Calcium(Ca)	0-10 (ppm)	1.32500 ppm
Cadmium(Cd)	0-5 (ppm)	0.32500 ppm
Cobalt(Co)	0-5 (ppm)	0.31400 ppm
Chromium(Cr)	0-5 (ppm)	0.04180 ppm
Copper(Cu)	0-5 (ppm)	0.03250 ppm
Iron(Fe)	0-5 (ppm)	0.41800 ppm
Potassium(K)	0-50 (ppm)	1.52800 ppm
Lithium(Li)	0-5 (ppm)	0.05100 ppm
Magnesium(Mg)	0-5 (ppm)	0.03580 ppm
Manganese(Mn)	0-5 (ppm)	1.03500 ppm
Molybdenum(Mo)	0-5 (ppm)	0.32500 ppm
Sodium(Na)	0-50 (ppm)	1.03520 ppm
Nickel(Ni)	0-5 (ppm)	0.02530 ppm
Lead(Pb)	0-5 (ppm)	0.02350 ppm
Strontium(Sr)	0-5 (ppm)	0.10500 ppm
Zinc(Zn)	0-5 (ppm)	0.00250 ppm
Chloride (Cl-)	0-5 (ppm)	0.02540 ppm
(PO4)Phosphate	0-5 (ppm)	0.10500 ppm
Sulfate(SO42-)	0-5 (ppm)	0.23500 ppm

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Parameter	Limit Values	Result
non-volatile substances in MeOH/HCl	0-0.05 (%)	0.00250 %
pH(1M in H ₂ O,25°C)	3.6-4.4	3.80000
UV Absorbance 280nm(at 1M in H ₂ O)	0-0.01	0.00400
UV - ABS. AT 260 nm(1M Water)	0-0.015	0.00700
Appearance(B755555)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Solubility(1M in H ₂ O HOT),Clear colorless	Pass	Pass
Residue(filter test)	no residue	no residue
Dnases, Rnases, Proteases, Phosphatases	None Detected	none detected

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager