

Certificate of Analysis

Date of Testing: 2025-05-30 11:49:47

Date of Next Testing: 2027-05-20 11:49:47

Product Name: **Boric acid**

CAS Number: 10043-35-3

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

Lot #: E2523078

SKU #: **B111604**

Version: **1**

Analysis #: **519021**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Copper(Cu)	0-5 (ppm)	0.00 ppm
Assay(Titration)	99.5-100 (%)	99.50 %
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.10 ppm
Aluminum(Al)	0-5 (ppm)	0.10 ppm
Barium(Ba)	0-5 (ppm)	0.04 ppm
(As)Arsenic	0-0.5 (ppm)	0.00 ppm
UV Absorbance 260nm	0-0.05	0.01
Manganese(Mn)	0-5 (ppm)	0.90 ppm
Cobalt(Co)	0-5 (ppm)	0.05 ppm
PH(25 °C, 50 mg/mL in Water)	3.6-4.4	4.10
Calcium(Ca)	0-10 (ppm)	8.00 ppm
Sodium(Na)	0-50 (ppm)	3.00 ppm
Chromium(Cr)	0-5 (ppm)	0.10 ppm
Iron(Fe)	0-5 (ppm)	2.80 ppm
Bismuth(Bi)	0-5 (ppm)	2.40 ppm
Sulfate(SO42-)	0-5 (ppm)	0.00 ppm
(Pb)Lead	0-5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	1.40 ppm
Zinc(Zn)	0-5 (ppm)	0.40 ppm
UV Absorbance 280nm	0-0.05	0.00
Potassium(K)	0-50 (ppm)	0.05 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
DNases	none detected	none detected
Insoluble matter	pass	Pass



ALADDIN SCIENTIFIC CORPORATION

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Parameter	Limit Values	Result
phosphatases	none detected	none detected
proteases	none detected	none detected
RNases	none detected	none detected
Solubility in H ₂ O , Colorless Clear,0.5 M	pass	Pass

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

John Su
QA & QC Manager