

Certificate of Analysis

Date of Testing: 2023-06-06 14:13:29
 Date of Next Testing: 2025-05-26 14:13:29
 Product Name: **Boric acid**
 CAS Number: 10043-35-3
 Specifications & Purity: Molecular biology grade, ≥99.5%(T)
 Lot #: I2102133
 SKU #: **B111604**
Analysis: **235640**
 Storage Temperature: Desiccated

Parameter	Limit Values	Result
Copper(Cu)	0-5 (ppm)	0.00 ppm
Assay(Titration)	99.5-100 (%)	99.81%
Strontium(Sr)	0-5 (ppm)	2.30 ppm
Cadmium(Cd)	0-5 (ppm)	0.07 ppm
Aluminum(Al)	0-5 (ppm)	2.10 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
(As)Arsenic	0-0.5 (ppm)	0.00 ppm
UV Absorbance 260nm	0-0.05	0.00
Manganese(Mn)	0-5 (ppm)	0.01 ppm
Cobalt(Co)	0-5 (ppm)	0.25 ppm
PH(25 °C, 50 mg/mL in Water)	3.6-4.4	4.00
Calcium(Ca)	0-10 (ppm)	0.21 ppm
Sodium(Na)	0-50 (ppm)	1.00 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.30 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Sulfate(SO42-)	0-5 (ppm)	0.00 ppm
(Pb)Lead	0-5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.04 ppm
UV Absorbance 280nm	0-0.05	0.01
Potassium(K)	0-50 (ppm)	0.00 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
DNases	none detected	none detected
Insoluble matter	pass	Pass
phosphatases	none detected	none detected

ALADDIN SCIENTIFIC CORPORATION

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Parameter	Limit Values	Result
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