

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 #: I2102134
 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

14078 Meridian Parkway, Riverside, CA. 92518

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