

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2022-06-30 11:14:50
Date of Next Testing:	2026-06-29 11:14:50
Product Name:	Boron oxide
CAS Number:	1303-86-2
Specifications & Purity:	Analytical Reagent,98%
Lot #:	F2229436
SKU #	B108406
Analysis:	101314
Storage Temperature:	Desiccated

Parameter	Limit Values	Result
Strontium(Sr)	0-5 (ppm)	2.50 ppm
Silver (Ag)	0-5 (ppm)	2.51 ppm
(Pb)Lead	0-30 (ppm)	23.80 ppm
Chromium(Cr)	0-5 (ppm)	2.52 ppm
Barium(Ba)	0-5 (ppm)	3.10 ppm
Sodium(Na)	0-200 (ppm)	100.00 ppm
Cadmium(Cd)	0-5 (ppm)	3.20 ppm
Chloride (Cl-)	0-20 (ppm)	11.20 ppm
Magnesium(Mg)	0-20 (ppm)	9.80 ppm
Potassium(K)	0-30 (ppm)	16.30 ppm
Calcium(Ca)	0-10 (ppm)	5.30 ppm
Nickel(Ni)	0-5 (ppm)	2.90 ppm
Assay	98-100 (%)	99.62 %
Bismuth(Bi)	0-5 (ppm)	3.00 ppm
Cobalt(Co)	0-5 (ppm)	2.60 ppm
Insoluble matter in H2O	0-0.005 (%)	0.00 %
Manganese(Mn)	0-5 (ppm)	3.20 ppm
Sulfate(SO42-)	0-50 (ppm)	24.70 ppm
Aluminum(Al)	0-50 (ppm)	25.05 ppm
Molybdenum(Mo)	0-5 (ppm)	2.50 ppm
Iron(Fe)	0-5 (ppm)	3.10 ppm
Copper(Cu)	0-5 (ppm)	3.00 ppm
Zinc(Zn)	0-5 (ppm)	2.80 ppm
Titanium(Ti)	0-10 (ppm)	5.00 ppm
Oxygen by Elemental Analysis	67-70.2 (%)	67.01 %
Appearance (B108406)	White Powder or Crystals	White Powder or Crystals

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Parameter	Limit Values	Result
ICP:Confirms Boron Components	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager