

Certificate of Analysis

Date of Testing:	2022-02-21 15:08:12
Date of Next Testing:	2026-02-20 15:08:12
Product Name:	Boron oxide
CAS Number:	1303-86-2
Specifications & Purity:	Analytical Reagent,98%
Lot #:	B2217231
SKU #	B108406
Analysis:	059741
Storage Temperature:	Desiccated

Parameter	Limit Values	Result
Strontium(Sr)	0-5 (ppm)	2.39 ppm
Silver (Ag)	0-5 (ppm)	1.15 ppm
(Pb)Lead	0-30 (ppm)	10.36 ppm
Chromium(Cr)	0-5 (ppm)	1.54 ppm
Barium(Ba)	0-5 (ppm)	2.50 ppm
Sodium(Na)	0-200 (ppm)	10.36 ppm
Cadmium(Cd)	0-5 (ppm)	3.23 ppm
Chloride (Cl-)	0-20 (ppm)	3.33 ppm
Magnesium(Mg)	0-20 (ppm)	1.85 ppm
Potassium(K)	0-30 (ppm)	9.87 ppm
Calcium(Ca)	0-10 (ppm)	5.54 ppm
Nickel(Ni)	0-5 (ppm)	3.87 ppm
Assay	98-100 (%)	98.58 %
Bismuth(Bi)	0-5 (ppm)	3.21 ppm
Cobalt(Co)	0-5 (ppm)	1.97 ppm
Insoluble matter in H2O	0-0.005 (%)	0.00 %
Manganese(Mn)	0-5 (ppm)	2.33 ppm
Sulfate(SO42-)	0-50 (ppm)	41.20 ppm
Aluminum(Al)	0-50 (ppm)	11.32 ppm
Molybdenum(Mo)	0-5 (ppm)	3.02 ppm
Iron(Fe)	0-5 (ppm)	2.80 ppm
Copper(Cu)	0-5 (ppm)	2.31 ppm
Zinc(Zn)	0-5 (ppm)	4.20 ppm
Titanium(Ti)	0-10 (ppm)	3.78 ppm
Oxygen by Elemental Analysis	67-70.2 (%)	67.82 %
Appearance (B108406)	White Powder or Crystals	White Powder or Crystals

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Parameter	Limit Values	Result
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager