

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-12 16:34:15

Date of Next Testing: 2029-12-11 16:34:15

Product Name: **Boron oxide**

CAS Number: 1303-86-2

Specifications & Purity: AR, ≥98%

Lot #: L2510206

SKU #: **B108406**

Version: **4**

Analysis #: **615059**

Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter                     | Limit Values             | Result                   |
|-------------------------------|--------------------------|--------------------------|
| Strontium(Sr)                 | 0-5 (ppm)                | 2.60000 ppm              |
| Silver(Ag)                    | 0-5 (ppm)                | 3.20000 ppm              |
| (Pb)Lead                      | 0-30 (ppm)               | 5.62000 ppm              |
| Chromium(Cr)                  | 0-5 (ppm)                | 2.20000 ppm              |
| Barium(Ba)                    | 0-5 (ppm)                | 1.65200 ppm              |
| Sodium(Na)                    | 0-200 (ppm)              | 10.52000 ppm             |
| Cadmium(Cd)                   | 0-5 (ppm)                | 2.66000 ppm              |
| Chloride (Cl-)                | 0-20 (ppm)               | 4.95000 ppm              |
| Magnesium(Mg)                 | 0-20 (ppm)               | 2.65000 ppm              |
| Potassium(K)                  | 0-30 (ppm)               | 3.41000 ppm              |
| Calcium(Ca)                   | 0-10 (ppm)               | 2.10800 ppm              |
| Nickel(Ni)                    | 0-5 (ppm)                | 0.95200 ppm              |
| Assay                         | 98-100 (%)               | 98.80000 %               |
| Sulfate(SO42-)                | 0-0.02 (%)               | 0.00420 %                |
| Oxygen by Elemental Analysis  | 67-70.2 (%)              | 68.30000 %               |
| Appearance (B108406)          | White Powder or Crystals | White Powder or Crystals |
| ICP:Confirms Boron Components | Confirmed                | Confirmed                |
| X-Ray Diffraction             | Conforms to Structure    | Conforms to Structure    |



[QualityAssurance@aladdinsci.com](mailto:QualityAssurance@aladdinsci.com)

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

John Su  
QA & QC Manager