

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-23 18:35:16  
 Date of Next Testing: 2030-03-22 18:35:16  
 Product Name: **Bismuth oxide**  
 CAS Number: 1304-76-3  
 Specifications & Purity:  
 Lot #: C2623496  
 SKU #: **B493375**  
 Version: **2**  
 Analysis #: **680259**  
 Storage Temperature: Room temperature, Desiccated

| Parameter                                           | Limit Values          | Result                |
|-----------------------------------------------------|-----------------------|-----------------------|
| Purity Titration by EDTA                            | 98.5-101.5 (%)        | 99.30000 %            |
| Total Nitrogen                                      | 0-0.01 (%)            | 0.00000 %             |
| Sulfate(SO42-)                                      | 0-0.002 (%)           | 0.00000 %             |
| Insoluble matter in HNO3                            | 0-0.005 (%)           | 0.00000 %             |
| Sodium(Na)                                          | 0-0.005 (%)           | 0.00020 %             |
| Arsenic(As)                                         | 0-0.001 (%)           | 0.00000 %             |
| Magnesium(Mg)                                       | 0-0.002 (%)           | 0.00000 %             |
| Lead(Pb)                                            | 0-0.003 (%)           | 0.00000 %             |
| Potassium(K)                                        | 0-0.002 (%)           | 0.00150 %             |
| Iron(Fe)                                            | 0-0.002 (%)           | 0.00000 %             |
| Copper(Cu)                                          | 0-0.001 (%)           | 0.00000 %             |
| Chloride (Cl-)                                      | 0-0.001 (%)           | 0.00000 %             |
| loss on Ignition                                    | 0-1 (%)               | 0.54280 %             |
| Calcium(Ca)                                         | 0-0.002 (%)           | 0.00200 %             |
| Appearance(White to Light Yellow Powder or crystal) | Pass                  | Pass                  |
| ICP: Confirms Bismuth Component                     | Confirmed             | Confirmed             |
| X-Ray Diffraction                                   | Conforms to Structure | Conforms to Structure |



QualityAssurance@aladdinsci.com

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

John Su  
QA & QC Manager