

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-10 11:04:49  
Date of Next Testing: 2028-10-09 11:04:49  
Product Name: **Bismuth nitrate pentahydrate**  
CAS Number: 10035-06-0  
Specifications & Purity: Analytical Reagent, ≥99.0%  
Lot #: J2408364  
SKU #: **B110811**  
Version: **1**  
Analysis #: **408394**  
Storage Temperature: Desiccated

| Parameter                                                | Limit Values          | Result                |
|----------------------------------------------------------|-----------------------|-----------------------|
| Silver (Ag)                                              | 0-0.001 (%)           | 0.00 %                |
| Insoluble matter(C = 20%, Dilute HNO <sub>3</sub> (1+4)) | 0-0.005 (%)           | 0.00 %                |
| Chloride (Cl <sup>-</sup> )                              | 0-0.002 (%)           | 0.00 %                |
| (As)Arsenic                                              | 0-0.0005 (%)          | 0.00 %                |
| Copper(Cu)                                               | 0-0.001 (%)           | 0.00 %                |
| Iron(Fe)                                                 | 0-0.0005 (%)          | 0.00 %                |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                  | 0-0.005 (%)           | 0.00 %                |
| Substances not precipitated by hydrogen sulfide          | 0-0.01 (%)            | 0.00 %                |
| Assay                                                    | 99-100 (%)            | 100.00 %              |
| ICP: Confirms Bismuth Component                          | Confirmed             | Confirmed             |
| X-Ray Diffraction                                        | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager