

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-29 11:49:53  
 Date of Next Testing: 2029-07-28 11:49:53  
 Product Name: **Bismuth nitrate pentahydrate**  
 CAS Number: 10035-06-0  
 Specifications & Purity: ACS, ≥98%  
 Lot #: G2523651  
 SKU #: **B110812**  
 Version: **0**  
 Analysis #: **549112**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                                | Limit Values                         | Result                               |
|----------------------------------------------------------|--------------------------------------|--------------------------------------|
| Potassium(K)                                             | 0-0.01 (%)                           | 0.00470 %                            |
| Lead(Pb)                                                 | 0-0.002 (%)                          | 0.00000 %                            |
| Copper(Cu)                                               | 0-0.002 (%)                          | 0.00000 %                            |
| Iron(Fe)                                                 | 0-0.001 (%)                          | 0.00000 %                            |
| Sodium(Na)                                               | 0-0.02 (%)                           | 0.00150 %                            |
| Assay(Complexometric EDTA)                               | 98-100 (%)                           | 99.82000 %                           |
| Insoluble matter(C = 20%, Dilute HNO <sub>3</sub> (1+4)) | 0-0.005 (%)                          | 0.00000 %                            |
| Calcium(Ca)                                              | 0-0.005 (%)                          | 0.00002 %                            |
| Silver(Ag)                                               | 0-0.001 (%)                          | 0.00000 %                            |
| (As)Arsenic                                              | 0-0.001 (%)                          | 0.00060 %                            |
| Appearance (B110812)                                     | White Powder, Crystals and/or Chunks | White Powder, Crystals and/or Chunks |
| 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