

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-02 17:16:01

Date of Next Testing: 2029-12-01 17:16:01

Product Name: **Bismuth nitrate pentahydrate**

CAS Number: 10035-06-0

Specifications & Purity: PrimorTrace™, ≥99.99% metals basis

Lot #: K2528151

SKU #: **B110814**

Version: **0**

Analysis #: **609666**

Storage Temperature: Room temperature, Argon charged

| Parameter                                    | Limit Values                                     | Result                                           |
|----------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Potassium(K)                                 | 0-0.01 (%)                                       | 0.00000 %                                        |
| Sodium(Na)                                   | 0-0.02 (%)                                       | 0.00000 %                                        |
| Iron(Fe)                                     | 0-0.001 (%)                                      | 0.00000 %                                        |
| (As)Arsenic                                  | 0-0.001 (%)                                      | 0.00000 %                                        |
| Insoluble matter(C = 20%, Dilute HNO3 (1+4)) | 0-0.005 (%)                                      | 0.00000 %                                        |
| Chloride (Cl-)                               | 0-0.001 (%)                                      | 0.00060 %                                        |
| Silver(Ag)                                   | 0-0.001 (%)                                      | 0.00000 %                                        |
| Purity Titration by EDTA                     | 98-102 (%)                                       | 100.73000 %                                      |
| Calcium(Ca)                                  | 0-0.005 (%)                                      | 0.00000 %                                        |
| Copper(Cu)                                   | 0-0.002 (%)                                      | 0.00000 %                                        |
| Sulfate(SO42-)                               | 0-0.005 (%)                                      | 0.00060 %                                        |
| Trace Metal Analysis                         | 0-100 (ppm)                                      | 98.00000 ppm                                     |
| Lead(Pb)                                     | 0-0.002 (%)                                      | 0.00000 %                                        |
| Purity(Based On Trace Metals Analysis)       | 99.99-100 (%)                                    | 99.99020 %                                       |
| Appearance (B110814)                         | White Powder, Crystals, Fibers, Flakes, or Solid | White Powder, Crystals, Fibers, Flakes, or Solid |
| 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