

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-11-02 12:31:53
Date of Next Testing:	2028-11-01 12:31:53
Product Name:	<b>Bismuth nitrate pentahydrate</b>
CAS Number:	10035-06-0
Specifications & Purity:	PrimorTrace™, ≥99.99% metals basis
Lot #:	J2431121
SKU #	<b>B110814</b>
Version	<b>0</b>
<b>Analysis #:</b>	<b>419525</b>
Storage Temperature:	Room temperature, Argon charged

Parameter	Limit Values	Result
Potassium(K)	0-0.01 (%)	0.00 %
Sodium(Na)	0-0.02 (%)	0.00 %
Iron(Fe)	0-0.001 (%)	0.00 %
(As)Arsenic	0-0.001 (%)	0.00 %
Insoluble matter(C = 20%, Dilute HNO3 (1+4))	0-0.005 (%)	0.00 %
Silver(Ag)	0-0.001 (%)	0.00 %
Purity Titration by EDTA	98-102 (%)	100.88 %
Calcium(Ca)	0-0.005 (%)	0.00 %
Lead(Pb)	0-0.002 (%)	0.00 %
Copper(Cu)	0-0.002 (%)	0.00 %
Chloride (Cl-)	0-0.001 (%)	0.00 %
Trace Metal Analysis	0-100 (ppm)	98.00 ppm
Purity(Based On Trace Metals Analysis)	99.99-100 (%)	99.99 %
Sulfate(SO42-)	0-0.005 (%)	0.01 %
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



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager