

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

### Certificate of Analysis

Date of Testing: 2024-07-12 11:58:59  
Date of Next Testing: 2028-07-11 11:58:59  
Product Name: **N type Bismuth(III) telluride**  
CAS Number: 1304-82-1  
Specifications & Purity: 99.99% metals basis  
Lot #: G2404187  
SKU #: **B196206**  
Version: **2**  
Analysis #: **374622**

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.99-100 (%)	100.00 %
Total trace metal imp	0-150 (ppm)	27.00 ppm
Selenium(Se)	2.5-5 (%)	2.51 %
Appearance (B196206)	Grey powder	Grey powder
ICP: Confirms Bismuth Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager