

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-24 11:31:05

Date of Next Testing: 2027-11-23 11:31:05

Product Name: **N type Bismuth(III) telluride**

CAS Number: 1304-82-1

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

Lot #: K2316138

SKU #: **B196206**

Version: **2**

Analysis #: **292266**

Storage Temperature: Room temperature

| Parameter                              | Limit Values          | Result                |
|----------------------------------------|-----------------------|-----------------------|
| Selenium(Se)                           | 2.5-5 (%)             | 3.10000 %             |
| Purity(Based On Trace Metals Analysis) | 99.99-100 (%)         | 99.99010 %            |
| Total trace metal imp                  | 0-150 (ppm)           | 99.00000 ppm          |
| 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