

## Certificate of Analysis

Date of Testing: 2025-01-22 16:35:34

Date of Next Testing: 2029-01-21 16:35:34

Product Name: **Titanium(IV) sulfide**

CAS Number: 12039-13-3

Specifications & Purity:  $\geq 99.5\%$  metals basis

Lot #: A2521181

SKU #: **T302605**

Version: **0**

Analysis #: **454419**

Storage Temperature: Room temperature, Argon charged, Desiccated

| Parameter                                         | Limit Values                            | Result                                  |
|---------------------------------------------------|-----------------------------------------|-----------------------------------------|
| total metallic impurities(by ICP Atomic emission) | 0-5000 (ppm)                            | 2620.00 ppm                             |
| Purity(ICP)                                       | 99.5-100 (%)                            | 99.74 %                                 |
| Appearance (T302605Form)                          | Powder or Crystals                      | Powder or Crystals                      |
| Appearance (T302605Color)                         | Grey to Green to Gold to Brown or Black | Grey to Green to Gold to Brown or Black |
| ICP:Confirms Titanium Component                   | Confirmed                               | Confirmed                               |
| X-Ray Diffraction                                 | Conforms to Structure                   | Conforms to Structure                   |



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