

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-05-07 10:09:39

Date of Next Testing: 2028-05-06 10:09:39

Product Name: **Tantalum(V) oxide**

CAS Number: 1314-61-0

Specifications & Purity:  $\geq 99\%$  metals basis

Lot #: D2527406

SKU #: **T431843**

Version: **2**

**Analysis #:** **507617**

Storage Temperature: Room temperature

| Parameter                                       | Limit Values                          | Result                                |
|-------------------------------------------------|---------------------------------------|---------------------------------------|
| Loss on ignition(1000°C,2 h)                    | 0-1 (%)                               | 0.83840 %                             |
| Purity(Based on Trace Metals Impurities of ICP) | 99-100 (%)                            | 99.98840 %                            |
| Trace Metal Analysis                            | 0-10000 (ppm)                         | 116.00000 ppm                         |
| Appearance(T431843)                             | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| ICP:Confirms Tantalum Component                 | Confirmed                             | Confirmed                             |
| X-Ray Diffraction                               | Conforms to Structure                 | Conforms to Structure                 |



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