

## Certificate of Analysis

Date of Testing: 2025-08-13 10:21:31  
Date of Next Testing: 2028-08-12 10:21:31  
Product Name: **Tantalum(V) oxide**  
CAS Number: 1314-61-0  
Specifications & Purity:  $\geq 99\%$  metals basis  
Lot #: H2506585  
SKU #: **T431843**  
Version: **2**  
Analysis #: **558370**

Parameter	Limit Values	Result
Loss on ignition(1000°C,2 h)	0-1 (%)	0.98 %
Purity(Based on Trace Metals Impurities of ICP)	99-100 (%)	99.99 %
Trace Metal Analysis	0-10000 (ppm)	70.00 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



John Su  
QA & QC Manager