

## Certificate of Analysis

Date of Testing: 2022-11-21 18:20:09  
Date of Next Testing: 2025-11-20 18:20:09  
Product Name: **Vanadium(IV) oxide**  
CAS Number: 12036-21-4  
Specifications & Purity: 99% trace metals basis  
Lot #: K2218094  
SKU #: **V302602**  
**Analysis:** **077830**  
Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Purity(Based on Trace Metals Impurities of ICP)	99-100 (%)	99.94%
Total Metallic Impuritie	0-10000 (ppm)	620.00 ppm
Appearance (V302602Form)	Powder	Powder
Appearance (V302602Color)	Grey to Black	Grey to Black
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager