

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-11 10:00:45

Date of Next Testing: 2029-08-10 10:00:45

Product Name: **Vanadium pentoxide**

CAS Number: 1314-62-1

Specifications & Purity: Premium-Grade Reagents, ≥99%

Lot #: G2531524

SKU #: **V112535**

Version: **3**

Analysis #: **536729**

Storage Temperature: Room temperature

| Parameter                                           | Limit Values          | Result                |
|-----------------------------------------------------|-----------------------|-----------------------|
| Sulfate(SO42-)                                      | 0-0.02 (%)            | 0.00370 %             |
| Sodium(Na)                                          | 0-0.04 (%)            | 0.00450 %             |
| Insoluble matter in hydrochloric acid and silicateg | 0-0.2 (%)             | 0.00000 %             |
| Purity(Titration)                                   | 98.5-101.5 (%)        | 99.71000 %            |
| Loss on Ignition (400°C±50°C)                       | 0-0.15 (%)            | 0.10880 %             |
| Iron(Fe)                                            | 0-0.02 (%)            | 0.00330 %             |
| Heavy metal (as Pb)                                 | 0-0.005 (%)           | 0.00190 %             |
| Ammonia (NH4)                                       | 0-0.05 (%)            | 0.05000 %             |
| X-Ray Diffraction                                   | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager