

Certificate of Analysis

Date of Testing: 2023-01-07 13:51:46
Date of Next Testing: 2027-01-06 13:51:46
Product Name: **Zirconium dioxide**
CAS Number: 1314-23-4
Specifications & Purity: nanopowder, 99.99% metals basis excluding Hf or HfO₂, ≤ 100nm
Lot #: A2304650
SKU #: **Z104402**
Analysis: **162953**

| Parameter | Limit Values | Result |
|---|------------------------|------------------------|
| Particle size | 0-100 (nm) | 60.90 nm |
| Purity Based On Trace Metals Analysis (excluding Hf or HfO ₂) | 99.99-100 (%) | 99.99 % |
| Trace Metal Analysis(excluding Hf or HfO ₂) | 0-200 (ppm) | 100.00 ppm |
| Appearance (Z104402) | white powder | White powder |
| ICP Major Analysis | Confirmed to structure | Confirmed to structure |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager