

## Certificate of Analysis

Date of Testing: 2024-09-19 13:59:03  
Date of Next Testing: 2027-09-19 13:59:03  
Product Name: **Zirconium(IV) oxide**  
CAS Number: 1314-23-4  
Specifications & Purity: nanopowder, <100 nm particle size (TEM)  
Lot #: I2410197  
SKU #: **Z431831**  
Version: **1**  
Analysis #: **392916**

Parameter	Limit Values	Result
Particle Size(TEM)	< 100 (nm)	26.50 nm
Specific Surface Area	≥25 (m <sup>2</sup> /g)	31.10 m <sup>2</sup> /g
Appearance(Z431831)	White Powder	White powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager