

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

### Certificate of Analysis

Date of Testing: 2025-06-07 09:32:18  
Date of Next Testing: 2029-06-06 09:32:18  
Product Name: **Zirconium dioxide**  
CAS Number: 1314-23-4  
Specifications & Purity: PrimorTrace™, ≥99.99% metals basis, excluding Hf or HfO2, powder, 0.2 ~ 0.4um  
Lot #: F2503588  
SKU #: **Z104399**  
Version: **0**  
Analysis #: **515000**  
Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Particle size(D50)(SEM)	0.2-0.4 (µm)	0.20100 µm
Trace Metal Analysis(excluding Hf or HfO2)	0-200 (ppm)	98.00000 ppm
Purity Based On Trace Metals Analysis (excluding Hf or HfO2)	99.99-100 (%)	99.99020 %
Appearance (Z104399)	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