

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

### Certificate of Analysis

Date of Testing: 2026-04-13 18:22:12  
Date of Next Testing: 2030-04-12 18:22:12  
Product Name: **Zirconium dioxide**  
CAS Number: 1314-23-4  
Specifications & Purity: PrimorTrace™, ≥99.99% metals basis, excluding Hf or HfO2  
Lot #: D2609428  
SKU #: **Z104398**  
Version: **0**  
Analysis #: **672745**  
Storage Temperature: Room temperature

| Parameter                                                    | Limit Values           | Result                 |
|--------------------------------------------------------------|------------------------|------------------------|
| 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 (Z104398)                                         | 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