

## Certificate of Analysis

Date of Testing: 2024-07-19 11:59:52  
Date of Next Testing: 2028-07-18 11:59:52  
Product Name: **Zirconyl chloride octahydrate**  
CAS Number: 13520-92-8  
Specifications & Purity: AR, ≥99%  
Lot #: G2412636  
SKU #: **Z164495**  
Version: **0**  
Analysis #: **391002**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Moisture content	40-50 (%)	45.71%
Purity	99-100 (%)	99.96%
Hafnium by ICP Assay	0-1 (%)	0.27%
Cl(Titration by AgNO <sub>3</sub> )	21.6-22.6 (%)	22.30%
Appearance (Z164495)	White Powder or Crystals	White Powder or Crystals
ICP: Confirms Zirconium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager