

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-09 14:12:26
 Date of Next Testing: 2029-12-08 14:12:26
 Product Name: **Zirconium chloride**
 CAS Number: 10026-11-6
 Specifications & Purity: $\geq 98\%$, hafnium chloride $\leq 2\%$
 Lot #: L2501526
 SKU #: **Z109459**
 Version: **1**
 Analysis #: **609435**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
hafnium(IV) chloride	0-2 (%)	1.50240 %
Purity(ZrCl_4)	98-100 (%)	98.54000 %
Cl(Titration by AgNO_3)	60.2-61.5 (%)	60.21000 %
Appearance (Z109459)	White to Light Yellow Powder or Solid or chunks	White to Light Yellow Powder or Solid or chunks
ICP: Confirms Zirconium Component	Confirmed	Confirmed
Solubility(1g/50mL H_2O , Clear)	Pass	Pass



John Su
QA & QC Manager