

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-28 10:13:39
Date of Next Testing: 2028-11-27 10:13:39
Product Name: **Zirconium chloride**
CAS Number: 10026-11-6
Specifications & Purity: $\geq 98\%$, hafnium chloride $\leq 2\%$
Lot #: K2420564
SKU #: **Z109459**
Version: **0**
Analysis #: **351437**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Cl(Titration by AgNO ₃)	60.2-61.5 (%)	60.83%
hafnium(IV) chloride	0-2 (%)	1.52%
Purity(ZrCl ₄)	98-100 (%)	98.50%
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



John Su
QA & QC Manager