

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-03 09:11:00
 Date of Next Testing: 2029-03-02 09:11:00
 Product Name: **Zirconium chloride**
 CAS Number: 10026-11-6
 Specifications & Purity: $\geq 98\%$, hafnium chloride $\leq 2\%$
 Lot #: B2526271
 SKU #: **Z109459**
 Version: **1**
 Analysis #: **465207**
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
hafnium(IV) chloride	0-2 (%)	1.10 %
Purity(ZrCl_4)	98-100 (%)	98.17 %
Cl(Titration by AgNO_3)	59.6-62 (%)	59.74 %
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