

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-08 14:06:57
 Date of Next Testing: 2029-08-07 14:06:57
 Product Name: **Zirconium chloride**
 CAS Number: 10026-11-6
 Specifications & Purity: $\geq 98\%$, hafnium chloride $\leq 2\%$
 Lot #: H2506605
 SKU #: **Z109459**
 Version: **1**
 Analysis #: **536511**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Cl(Titration by AgNO ₃)	59.6-62 (%)	60.38000 %
hafnium(IV) chloride	0-2 (%)	0.98000 %
Purity(ZrCl ₄)	98-100 (%)	99.23000 %
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 ₂ O, Clear)	Pass	Pass



John Su
QA & QC Manager