

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-02-09 16:33:26
Date of Next Testing: 2026-02-08 16:33:26
Product Name: **Zirconium chloride**
CAS Number: 10026-11-6
Specifications & Purity: 98%, hafnium chloride $\leq 2\%$
Lot #: A2220338
SKU #: **Z109459**
Analysis: **063343**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
hafnium(IV) chloride	0-2 (%)	1.06 %
Cl(Titration by AgNO ₃)	60.2-61.5 (%)	60.46 %
Purity(ZrCl ₄)	98-100 (%)	98.87 %
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