

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-04 18:31:40
 Date of Next Testing: 2029-11-03 18:31:40
 Product Name: **Hafnocene Dichloride**
 CAS Number: 12116-66-4
 Specifications & Purity: $\geq 98\%$
 Lot #: J2530497
 SKU #: **H157415**
 Version: **3**
 Analysis #: **585809**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity (as Hf)	98-100 (%)	98.21000 %
Assay(Titration by AgNO ₃)	97.5-103.5 (%)	103.45000 %
Appearance (H157415)	White to Off-white to light reddish-yellow to light brown powder	White to Off-white to light reddish-yellow to light brown powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager