

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-04-13 16:10:36

Date of Next Testing: 2028-04-12 16:10:36

Product Name: **Hafnocene Dichloride**

CAS Number: 12116-66-4

Specifications & Purity: >98.0%

Lot #: D2407341

SKU #: **H157415****Analysis: 330416**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Chelometric Titration)	97.5-102.5 (%)	98.90%
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