

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-13 13:12:10

Date of Next Testing: 2027-07-12 13:12:10

Product Name: **Hafnocene Dichloride**

CAS Number: 12116-66-4

Specifications &amp; Purity: &gt;98.0%

Lot #: G2301245

SKU #: **H157415****Analysis: 228405**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity (as Hf)	98-100 (%)	99.86 %
Appearance (H157415)	White to light reddish-yellow to light brown powd	White to light reddish-yellow to light brown powd
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

John Su  
QA & QC Manager