

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-20 13:31:31
 Date of Next Testing: 2024-05-09 13:31:31
 Product Name: **Grubbs Catalyst**
 CAS Number: 172222-30-9
 Specifications & Purity: Ru 12.3%
 Lot #: E2207110
 SKU #: **G113747**
 Version: **2**
 Analysis #: **083595**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Ruthenium (Ru)	11.4-12.8 (%)	12.30000 %
Purity	98-100 (%)	99.00000 %
31P NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (G113747)	Purple to Purple-red crystalline powder	Purple to Purple-red crystalline powder



John Su
QA & QC Manager