

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-20 10:33:15

Date of Next Testing: 2026-06-19 10:33:15

Product Name: **Carbonylchlorohydrido[bis(2-di-i-propylphosphinoethyl)amine]ruthenium(II)**

CAS Number: 1311164-69-8

Specifications & Purity: $\geq 97\%$

Lot #: F2314400

SKU #: **C282751**

Version: **1**

Analysis #: **146097**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(based on Ru)	97-100 (%)	97.30000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Phosphorus NMR spectrum	conforms to structure	Conforms to Structure



John Su
QA & QC Manager