

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-26 16:40:09

Date of Next Testing: 2024-09-15 16:40:09

Product Name: **Diiodo(p-cymene)ruthenium dimer**

CAS Number: 90614-07-6

Specifications & Purity: Ru 20.5%

Lot #: I2216182

SKU # **D118512**

Version **1**

Analysis #: **131730**

Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Ruthenium (Ru)	19.8-21.5 (%)	19.94000 %
Carbon by Elemental Analysis	23.6-25.5 (%)	24.28000 %
Appearance (D118512)	Red Solid Powder, Crystals and/or Chunks	Red Solid Powder, Crystals and/or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
ICP: Confirms Ruthenium Component	Confirmed	Confirmed



John Su
QA & QC Manager