

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-01-03 18:50:39  
 Date of Next Testing: 2026-12-24 18:50:39  
 Product Name: **Diiodo(p-cymene)ruthenium dimer**  
 CAS Number: 90614-07-6  
 Specifications & Purity: Ru 20.5%  
 Lot #: A2503538  
 SKU #: **D118512**  
 Version: **1**  
 Analysis #: **457037**  
 Storage Temperature: Protected from light, Room temperature, Argon charged

| Parameter            | Limit Values                                              | Result                                                    |
|----------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Ruthenium (Ru)       | 19.8-21.5 (%)                                             | 19.90000 %                                                |
| Appearance (D118512) | Red to Very Dark Red Solid Powder, Crystals and/or Chunks | Red to Very Dark Red Solid Powder, Crystals and/or Chunks |
| Proton NMR spectrum  | Conforms to Structure                                     | Conforms to Structure                                     |



John Su  
QA & QC Manager