

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-27 09:37:21  
Date of Next Testing: 2028-12-26 09:37:21  
Product Name: **Ruthenium acetylacetonate**  
CAS Number: 14284-93-6  
Specifications & Purity:  $\geq 97\%$   
Lot #: L2424602  
SKU #: **R118502**  
Version: **0**  
Analysis #: **448922**

Parameter	Limit Values	Result
Carbon by Elemental Analysis	43-47 (%)	45.08 %
Ruthenium (Ru)	24.5-26.2 (%)	26.18 %
Appearance (R118502)	Red to Maroon to Purple Powder	Red to Maroon to Purple Powder
ICP: Confirms Ru Component	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager