

## Certificate of Analysis

Date of Testing: 2024-01-30 11:58:11  
Date of Next Testing: 2028-01-29 11:58:11  
Product Name: **Ruthenium acetylacetonate**  
CAS Number: 14284-93-6  
Specifications & Purity: 99.8% metals basis  
Lot #: A2416684  
SKU #: **R639975**  
**Analysis:** **318999**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.85 %
Ruthenium (Ru)	24.4-26.2 (%)	24.47 %
Appearance(R639975)	Red to Maroonto Purple powder	Red to Maroonto Purple powder
ICP: Confirms Ru Component	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager