

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-17 09:58:44
 Date of Next Testing: 2027-01-16 09:58:44
 Product Name: **Ruthenium(III) chloride hydrate**
 CAS Number: 14898-67-0
 Specifications & Purity: $\geq 99.98\%$ metals basis
 Lot #: A2405401
 SKU #: **R432142**
 Version: **1**
 Analysis #: **305279**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity Based on Trace Metals Impurities	99.98-100 (%)	99.98000 %
Gravimetric Analysis(Ru% , After Reduction With Magnesium)	40-50 (%)	42.46000 %
ICP Major Analysis Ru Component	Confirmed	Confirmed
Appearance(R432142)	Dark Grey to Black Powder or Chunks	Dark Grey to Black Powder or Chunks
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager