

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-17 09:58:13

Date of Next Testing: 2027-01-16 09:58:13

Product Name: **Ruthenium(III) chloride hydrate**

CAS Number: 14898-67-0

Specifications & Purity: $\geq 99.98\%$ metals basis

Lot #: A2405399

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