

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-04-19 17:06:12
Date of Next Testing:	2027-04-19 17:06:12
Product Name:	Ruthenium(III) chloride hydrate
CAS Number:	14898-67-0
Specifications & Purity:	Suitable for Analysis, Premium pure
Lot #:	D2402463
SKU #	R432146
Version	1
Analysis #:	319702
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Silver(Ag)	0-50 (ppm)	0.00 ppm
Gold(Au)	0-100 (ppm)	0.00000 ppm
Calcium(Ca)	0-50 (ppm)	0.00 ppm
Cadmium(Cd)	0-10 (ppm)	0.00 ppm
Cobalt(Co)	0-10 (ppm)	0.00 ppm
Chromium(Cr)	0-50 (ppm)	0.00 ppm
Copper(Cu)	0-50 (ppm)	0.00 ppm
Iron(Fe)	0-100 (ppm)	0.00 ppm
Mercury(Hg)	0-100 (ppm)	0.00 ppm
Iridium(Ir)	0-100 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	0.00 ppm
Magnesium(Mg)	0-50 (ppm)	17.36 ppm
Sodium(Na)	0-100 (ppm)	0.00 ppm
Osmium(Os)	0-100 (ppm)	0.00 ppm
Lead(Pb)	0-50 (ppm)	0.00 ppm
Palladium(Pd)	0-100 (ppm)	19.12 ppm
Platinum(Pt)	0-100 (ppm)	0.00 ppm
Rhodium (Rh)	0-100 (ppm)	0.00 ppm
Zinc(Zn)	0-10 (ppm)	0.00 ppm
Assay(Ru)	35-40 (%)	39.98%
Aluminium(Al)	0-10 (ppm)	0.00000 ppm
Manganese(Mn)	0-10 (ppm)	0.00 ppm
Nickel(Ni)	0-10 (ppm)	0.00 ppm
ICP: Confirms Ruthenium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager