

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-17 16:20:07

Date of Next Testing: 2026-09-16 16:20:07

Product Name: **Ruthenium Red**

CAS Number: 11103-72-3

Specifications & Purity: $\geq 95\%$

Lot #: I2212284

SKU #: **R100832**

Version: **0**

Analysis #: **124990**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Ruthenium(ICP-atomic emission)	34-39 (%)	38.53000 %
E1%1cm(0.1mol/L AcONH4 sol., 532.0 to 536.0 nm)	≥ 250	256.00000
Appearance (R100832)	Red to Brown Granules,Crystals,Powder or chunks	Red to Brown Granules,Crystals,Powder or chunks
Solubility in H2O , Dark red or purple, Clear to Turbid ,10 mg/ml	pass	Pass



John Su
QA & QC Manager