

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-24 13:52:00

Date of Next Testing: 2027-04-23 13:52:00

Product Name: **Ruthenium**

CAS Number: 7440-18-8

Specifications & Purity: PrimorTrace™, ≥99.99% metals basis

Lot #: D2319304

SKU #: **R105898**

Version: **0**

Analysis #: **216274**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Total Metallic Impuritie	0-200 (ppm)	123.00000 ppm
Purity(Based on Trace Metals Impurities of ICP)	99.99-100 (%)	99.99010 %
Appearance (R105898)	Grey to Dark Grey Powder	Grey to Dark Grey Powder
ICP: Confirms Ru Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager