

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-07 19:41:39

Date of Next Testing: 2026-06-06 19:41:39

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

CAS Number: 10049-08-8

Specifications & Purity: Ru content 45-55%

Lot #: F2201163

SKU #: **R119430**

Version: **0**

Analysis #: **085354**

Storage Temperature: Protected from light, Room temperature, Argon charged, Desiccated, Cool

| Parameter                    | Limit Values                                     | Result                                           |
|------------------------------|--------------------------------------------------|--------------------------------------------------|
| Ru (After Reduction with Mg) | 45-55 (%)                                        | 46.60000 %                                       |
| Insoluble matter             | 0-20 (%)                                         | 10.00000 %                                       |
| Appearance (R119430)         | Black Crystals, Powder or Granular and/or Chunks | Black Crystals, Powder or Granular and/or Chunks |
| ICP: Confirms Ru Component   | Confirmed                                        | Confirmed                                        |
| X-Ray Diffraction            | Conforms to Structure                            | Conforms to Structure                            |



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QA & QC Manager