

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-23 17:22:42

Date of Next Testing: 2028-10-22 17:22:42

Product Name: **Ruthenium nitrosyl nitrate solution**

CAS Number: 34513-98-9

Specifications & Purity: Ru 1.5% w/v

Lot #: I2420644

SKU # **R124005**

Version **0**

**Analysis #:** **426323**

Storage Temperature: Room temperature

| Parameter                            | Limit Values                                   | Result                                         |
|--------------------------------------|------------------------------------------------|------------------------------------------------|
| HNO <sub>3</sub> (Titration by NaOH) | 5-11 (wt%)                                     | 9.70 wt%                                       |
| Ruthenium (Ru)                       | 1-2 (%)                                        | 1.50 %                                         |
| Appearance (R124005)                 | Red to Brown to Red-Brown or Red-Orange Liquid | Red to Brown to Red-Brown or Red-Orange Liquid |
| Infrared spectrum                    | Conforms to Structure                          | Conforms to Structure                          |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager