

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-03-10 16:24:15

Date of Next Testing: 2025-03-09 16:24:15

Product Name: **Dichlorotris(1,10-phenanthroline)ruthenium(II) hydrate**

CAS Number: 207802-45-7

Specifications & Purity:  $\geq 98\%$

Lot #: C2204698

SKU #: **D168488**

Version: **0**

Analysis #: **074908**

Storage Temperature: Room temperature

| Parameter                      | Limit Values                                    | Result                                          |
|--------------------------------|-------------------------------------------------|-------------------------------------------------|
| Nitrogen by Elemental Analysis | 11.5-12.1 (%)                                   | 12.05 %                                         |
| Carbon by Elemental Analysis   | 59.1-62.2 (%)                                   | 61.40 %                                         |
| Water by Karl Fischer          | 0-12 (%)                                        | 2.90 %                                          |
| Appearance (D168488)           | Orange to Dark Orange and Red to Dark Red Solid | Orange to Dark Orange and Red to Dark Red Solid |
| Proton NMR spectrum            | Conforms to Structure                           | Conforms to Structure                           |



John Su  
QA & QC Manager