

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-13 15:30:35

Date of Next Testing: 2027-02-12 15:30:35

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

CAS Number: 304695-79-2

Specifications & Purity: ≥98%

Lot #: F1503013

SKU #: **D113514**

Version: **0**

Analysis #: **186904**

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

Parameter	Limit Values	Result
Water by Karl Fischer	0-12 (%)	11.90000 %
Carbon by Elemental Analysis(anhydrous)	58.9-62.2 (%)	62.00000 %
Nitrogen by Elemental Analysis (anhydrous)	11-12.3 (%)	12.20000 %
Appearance (D113514)	Red-Orange to Red Powder or Crystals	Red-Orange to Red Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager