

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-22 12:09:26

Date of Next Testing: 2025-09-21 12:09:26

Product Name: **Potassium hexacyanoruthenate(II) hydrate**

CAS Number: 339268-21-2

Specifications & Purity:  $\geq 98\%$

Lot #: I2220561

SKU # **P282754**

Version **4**

**Analysis #:** **128259**

Storage Temperature: Store at 2-8°C, Argon charged, Desiccated

| Parameter                                         | Limit Values                   | Result                         |
|---------------------------------------------------|--------------------------------|--------------------------------|
| Ruthenium (Ru)                                    | 23.2-24 (%)                    | 23.60000 %                     |
| Carbon by Elemental Analysis                      | 15-17 (%)                      | 15.60000 %                     |
| Nitrogen by Elemental Analysis                    | 17-20 (%)                      | 17.63000 %                     |
| Appearance(P282754)                               | White to Grey to Purple Powder | White to Grey to Purple Powder |
| Proton NMR spectrum                               | Conforms to Structure          | Conforms to Structure          |
| Infrared spectrum                                 | Conforms to Structure          | Conforms to Structure          |
| ICP : Confirms Potassium and Ruthenium Components | Confirmed                      | Confirmed                      |



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QA & QC Manager