

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-08 14:59:49
 Date of Next Testing: 2026-11-07 14:59:49
 Product Name: **Potassium hexacyanoruthenate(II) hydrate**
 CAS Number: 339268-21-2
 Specifications & Purity: $\geq 98\%$
 Lot #: K2303410
 SKU #: **P282754**
 Version: **4**
 Analysis #: **284214**
 Storage Temperature: Store at 2-8°C, Argon charged, Desiccated

Parameter	Limit Values	Result
Ruthenium (Ru)	23.2-24 (%)	23.60 %
Carbon by Elemental Analysis	15-17 (%)	16.24 %
Nitrogen by Elemental Analysis	17- 20 (%)	19.39 %
Appearance(P282754)	White to Grey to Purple Powder	White to Grey to Purple Powder
ICP : Confirms Potassium and Ruthenium Components	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager