

Certificate of Analysis

Date of Testing: 2025-01-22 11:25:29

Date of Next Testing: 2027-01-12 11:25:29

Product Name: **Bis(cyclopentadienyl)ruthenium(II)**

CAS Number: 1287-13-4

Specifications & Purity: $\geq 97\%$

Lot #: L1707008

SKU #: **B118517**

Version **0**

Analysis #: **461803**

Parameter	Limit Values	Result
Ruthenium (Ru)	42.4-44.6 (%)	42.60 %
Purity (Elemental Analysis)	97-100 (%)	97.26 %
Melting point	199-205 (°C)	199.50000 °C
Appearance (B118517)	Off-white to Faint Yellow to Yellow to Beige Powder or Crystals	Off-white to Faint Yellow to Yellow to Beige Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR (1H-NMR)	complies	complies



John Su
QA & QC Manager