

Certificate of Analysis

Date of Testing: 2025-02-17 11:09:07

Date of Next Testing: 2027-02-07 11:09:07

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

CAS Number: 1287-13-4

Specifications & Purity: $\geq 97\%$

Lot #: I1309045

SKU # **B118517**

Version **0**

Analysis #: **469004**

Parameter	Limit Values	Result
Ruthenium (Ru)	42.4-44.6 (%)	42.43 %
Purity (Elemental Analysis)	97-100 (%)	99.85 %
Melting point	199-205 (°C)	199.60000 °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