

Certificate of Analysis

Date of Testing: 2025-02-17 11:07:40
Date of Next Testing: 2027-02-07 11:07:40
Product Name: **Bis(cyclopentadienyl)ruthenium(II)**
CAS Number: 1287-13-4
Specifications & Purity: $\geq 97\%$
Lot #: L1707007
SKU #: **B118517**
Version: **0**
Analysis #: **469007**

Parameter	Limit Values	Result
Ruthenium (Ru)	42.4-44.6 (%)	42.40 %
Purity (Elemental Analysis)	97-100 (%)	99.83 %
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