

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-14 11:15:28
 Date of Next Testing: 2026-09-04 11:15:28
 Product Name: **Dichlorodi- μ -chlorobis[(1,2,3,6,7,8- η -2,7-dimethyl-2,6-octad**
 CAS Number: 34801-97-3
 Specifications & Purity: $\geq 97\%$
 Lot #: L2205132
 SKU #: **D118513**
 Version: **0**
 Analysis #: **408015**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	37.6-40.3 (%)	37.90000 %
Melting point	193-202 (°C)	196.00000 °C
Ruthenium (Ru)	31.8-34.1 (%)	32.50000 %
Purity(HPLC)	97-100 (%)	99.88000 %
Appearance (D118513)	Red to purple powder	Red to purple powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR (1H-NMR)	complies	complies



John Su
QA & QC Manager