

## Certificate of Analysis

Date of Testing: 2022-06-28 20:18:47  
Date of Next Testing: 2025-06-27 20:18:47  
Product Name: **2,9-Dichloro-4,7-diphenyl-1,10-phenanthroline**  
CAS Number: 1229012-68-3  
Specifications & Purity: 98%  
Lot #: F2225334  
SKU #: **D290467**  
Analysis: **085549**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.51000 %
Carbon by Elemental Analysis	68.9-73.3 (%)	71.62 %
Nitrogen by Elemental Analysis	6.7-7.3 (%)	6.91 %
Appearance (D290467)	off-white powder	off-white powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager