

## Certificate of Analysis

Date of Testing: 2022-03-07 15:24:39  
Date of Next Testing: 2025-03-06 15:24:39  
Product Name: **4,5-bis(carbazol-9-yl)-1,2-dicyanobenzene**  
CAS Number: 1416881-50-9  
Specifications & Purity: >98%(HPLC)  
Lot #: B2225745  
SKU #: **B302840**  
**Analysis:** **072055**  
Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.01000 %
LC-MS for identification	Conforms	Conforms
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager