

## Certificate of Analysis

Date of Testing: 2023-04-06 12:07:30  
Date of Next Testing: 2026-04-05 12:07:30  
Product Name: **5,5,11,11-Tetraoxo-5,11-dihydro-5l6,11l6-dibenzo[d,d']benzo[1,2-b;4,5-b']dithiophene-3,9-diamine**  
CAS Number: 2253969-12-7  
Specifications & Purity: 97%  
Lot #: C23241266  
SKU #: **T303119**  
Analysis: **186820**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.74200 %
Nitrogen by Elemental Analysis	6.9-7.5 (%)	7.34 %
Sulfur by Elemental Analysis	16-17 (%)	16.05 %
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager