

## Certificate of Analysis

Date of Testing: 2022-08-22 16:46:54  
Date of Next Testing: 2025-08-21 16:46:54  
Product Name: [S(R)]-N-[(R)-[4-(1,1-Dimethylethyl)phenyl][5-(diphenylphosphino)-9,9-dimethyl-9H-xanthen-4-yl]methyl]-2-methyl-2-propanesulfonamide  
CAS Number: 2160535-58-8  
Specifications & Purity: 95%  
Lot #: H2218747  
SKU #: **S282286**  
Analysis: **106732**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(NMR)	95-100 (%)	96.21%
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager