

## Certificate of Analysis

Date of Testing: 2022-11-22 09:06:21  
Date of Next Testing: 2025-11-21 09:06:21  
Product Name: **Meropenem trihydrate**  
CAS Number: 119478-56-7  
Specifications & Purity: 98%  
Lot #: K2212287  
SKU #: **M166349**  
**Analysis: 129418**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation [a] <sub>D</sub> 20/D(c=0.44 in H <sub>2</sub> O)	-21--17 (°)	-17.11°
Purity(HPLC)	98-100 (%)	98.10700%
Water by Karl Fischer	11.4-13.4 (%)	13.30%
Appearance (M166349)	White to Yellow Solid	White to Yellow Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager