

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-28 17:10:49  
Date of Next Testing: 2026-11-27 17:10:49  
Product Name: **Meropenem trihydrate**  
CAS Number: 119478-56-7  
Specifications & Purity: 98%  
Lot #: K2322445  
SKU #: **M166349**  
**Analysis: 176202**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	11.4-13.4 (%)	12.69%
Purity(HPLC)	98-100 (%)	99.20000%
Specific Rotation [a] <sub>D</sub> 20/D(c=0.44 in H <sub>2</sub> O)	-21--17 (°)	-17.39°
Appearance (M166349)	White to Yellow Solid	White to Yellow Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager