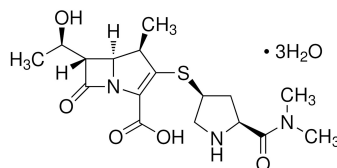


Certificate of Analysis

Product Name : Meropenem trihydrate ≥98% (HPLC)
Product Number : M2574-10MG
Batch Number : 0000072318
 Source Batch : 0000065799
 CAS Number : 119478-56-7
 Storage Temperature : Freezer -20°C
 Molecular Formula : C₁₇H₂₅N₃O₅S · 3H₂O
 Formula Weight : 437.51
 Quality Release Date : 14 Jun 2019



Test	Specification	Result
Appearance (Color)	White to Beige	Off-White
Appearance (Form)	Powder	Powder
Solubility (Turbidity)	Clear	Clear
Solubility (Color)	Conforms to Requirements	Colorless
Concentration	≥ 20.0 mg/ml	40.0 mg/ml
DMSO		
Purity (HPLC)	≥ 97.5 %	99.7 %
Identity	Confirmed	Confirmed
Water Content	2.7 MOL - 3.3 MOL	3.0 mol
Elemental Composition	Pass	Pass
Optical Rotation	-22.0 - -12.0 °	-17.4 °
(C=1, H ₂ O)		

Brendan Nye, QC Supervisor

Quality Control

Natick, Massachusetts

US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

Version Number: 01 Doc: 1032916

Page 1 of 1

