SPECIFICATIONS

No. Items Specifications 1 Description Colorless to white crystals Identification		Product Name Meropenem H ₃ C HO H CH ₃ SH ₂ O				
No. Items Specifications 1 Description Colorless to white crystals 2 Identification 1) IR 2) UV Both spectra exhibit similar intensities of absorption at the same wave number. Both spectra exhibit similar intensities of absorption at the same wavelengths. 3 Specific rotation -17° ~ -21° 4 pH 4.0~6.0 5 Water 11.4~13.4% 6 Residue on ignition Not more than 0.1% 7 Heavy metals Not more than 0.001% 8 Limit of acetone NMT 0.05% Not more than 0.3% (RRT 0.45) Not more than 0.3% (RRT 1.9) Not more than 0.3% (Total other impurity) Not more than 0.3% (Total other impurities)	Cas No.		119478-56-7			
Description Colorless to white crystals	Molecular Formula		$C_{17}H_{25}N_3O_5S \cdot 3H_2O$	Molecular Weight	437.52	
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9 Chromatographic purity Not more than 0.1% (Any other impurity) Not more than 0.3% (Total other impurities)		Chromatographic purity	Not more than 0.3% (RRT 0.45)			
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	9		Not more than 0.1% (Any other impurity)			
10 Bacterial endotoxins Not more than 0.125 EU/mg			Not more than 0.3% (Total other in	Not more than 0.3% (Total other impurities)		
	10	Bacterial endotoxins	Not more than 0.125 EU/mg			
11 Sterility Sterile	11	Sterility	Sterile			
12 Assay 98.0 ~ 101.0% (as anhydrous basis, $C_{17}H_{25}N_3O_5S$)	12	Assay	98.0 ~ 101.0% (as anhydrous basis, $C_{17}H_{25}N_3O_5S$)			