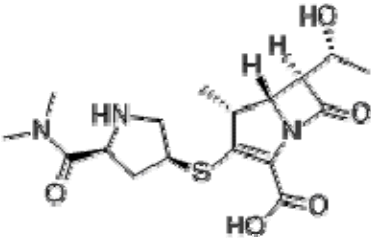


CERTIFICATE OF ANALYSIS

NO: DYC091612271

Product Name	Meropenem trihydrate
CAS Number	119478-56-7
Molecule Structure	
Molecule Formula	C ₁₇ H ₂₅ N ₃ O ₅ S
Batch Number	20160915
Manuf.Date	2016-09-15
Testing Date	2016-09-18

Items	Specification	Results
Description	white to light yellow crystalline powder	Almost white crystalline powder
Identification	IR	complies
	UV	complies
Water content (by KF)	11.4%-13.4%	12.5%
Specific optical rotation	-19 °C	-17 °C - -21 °C
Heavy metal	NMT 20 ppm	complies
Residue on ignition	NMT 0.1%	complies
PH	4.0-6.0	5.4
Palladium content	NMT 10 ppm	complies
Assay	NMT 98.0%	99.4%
Chromatographic purity	NMT 0.2%	0.08%
Dimeric impurity	NMT 0.10%	0.25%
Any other impurity	NMT 0.3%	0.06%
Sum of all other impurities	NMT 1.5%	0.18%
Bacterial endotoxins	NMT 0.12 EU/mg	<0.12 EU/mg
Residual solvent		
Ethyl acetate	NMT 5000 ppm	22 ppm
Acetone	NMT 5000 ppm	complies
Tetrahydrofuran	NMT 2000 ppm	840 ppm
N. Methy morpholine	NMT 530 ppm	complies
N-N Dimethyl acetamide	NMT 1090 ppm	complies
Toluene	NMT 890 ppm	complies



HANGZHOU DINGYAN CHEM CO., LTD

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Conclusion	Conforms to customer standards
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Hangzhou Dingyan Chem Co., Ltd.

QUALITY CONTROL: Freya

Quality Control

Signature(x)

CHECK: 姚仙娟

INSPECTOR: 刘清风