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ZHUHAI UNITED LABORATORIES CO., LTD.

CONTAINER Nº: DFSU4057369/40' GP

CERTIFICATE OF ANALYSIS

D12071110881		NO:120720030	
Name of product	Amoxicillin Trihydrate Compacted	Batch NO.	30912078029
Packing	25.00kg/drum	Pieces	40 drums +1drum
Batch Weight	1027.78kg	Specifications	EP and Enterprise standard
Mfg. Date	14/07/2012	Exp.Date	06/2015
Date of testing	14/07/2012	Date of report	20/07/2012
Storage	Store in the airtight container		
CEP: No.R0-CEP2007-	191-Rev 02		

TESTS	SPECIFICATIONS	RESULTS	CONCLUSION
(APPEARANCE)	A white or almost white crystalline powder and granule.	A white crystalline powder and granule.	Conforms
(IDENTIFICATION)	Examine by IR absorption spectrophotometry. comparing with the spectrum obtained with amoxicillin trihydrate CRS	Conforms	Conforms
[SOLUBILITY]	It slightly soluble in water, very slightly soluble in ethanol (96 percent), practically insoluble in fatty oils. It dissolves in dilute acids and dilute solutions of alkali hydroxides.	Conforms	Conforms
(TESTS) Appearance of solution	Not more opalescent than reference suspension II (0.5M hydrochloric acid)	<reference i<="" suspension="" td=""><td>Conforms</td></reference>	Conforms
	Not more opalescent than reference suspension II (dilute ammonia R2)	<reference i<="" suspension="" td=""><td></td></reference>	
рН	3.5 to 5.5	4.5	Conforms
Specific optical rotation Related substances	+ 290 to + 315	+301	Conforms Conforms
Any specified impurity	≤1.0%	0.26%	Comonno
Any unspecified impurity	≤ 0.10%	0.05%	
Total impurities	≤ 3.0%	0.71%	
N, N-Dimethylaniline	NMT 20 ppm (Not used in process)	Conforms	Conforms
Water	11.5% to 14.5%	12.8%	Conforms
Sulphated ash	NMT1.0%	0.070%	Conforms
Assay	95.0%~ $102.0%C_{16}H_{19}N_3O_5S(Calculated on anhydrous$	99.5%	Conforms
	basis)		
Residual solvents	243.5)		Conforms
a) Acetone	NMT800ppm	78 ppm	Comonns
b) Dichloromethane	NMT600ppm	360ppm	
c) Triethylamine	NMT300ppm	63 ppm	
d) N,N-dimethylacetamide	NMT1090ppm	286 ppm	
e) Toluene	NMT600ppm	328 ppm	
f) Pivalic acid	NMT1000ppm	647 ppm	
Bulk Density	0.45 g/ml to 0.65g/ml	0.53 g/ml	Conforms
Tapped Density	NLT0.65g/ml	0.79 g/ml	Conforms
Particle size	NMT15%(≥850 µ m)	4%	Conforms
	NLT55%(850 μ m~180 μ m)	76%	
	NMT30%(≤180 μ m)	20%	ATTER TO SERVICE AND ADDRESS OF THE PARTY OF

CONCLUSION: The results conform with EP and Enterprise standard
Pharmacopoeia quality: Complies with the current editions of USP, EP & BP
Manufactured according to ICH Q7A GMP for APIs

REPORTED BY: CHECKED BY:

APPROVED BY

