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ZHUHAI UNITED LABORATORIES CO., LTD.

CONTAINER Nº: INBU5448255/40' GP

CERTIFICATE OF ANALYSIS

D12071110881		NO:220806001	
Name of product	Amoxicillin Trihydrate Compacted	Batch NO.	30912078044
Packing	25.00kg/drum	Pieces	40 drums +1drum
Batch Weight	1024.64kg	Specifications	EP and Enterprise standard
Mfg. Date	15/07/2012	Exp.Date	06/2015
Date of testing	15/07/2012	Date of report	06/08/2012
Storage	Store in the airtight container		00/00/2012
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)	No.		Conforms
Appearance of solution	Not more opalescent than reference suspension II (0.5M hydrochloric acid)	<reference i<="" suspension="" td=""><td>Comorns</td></reference>	Comorns
	Not more opalescent than reference suspension II (dilute ammonia R2)	<reference i<="" suspension="" td=""><td></td></reference>	
рН	3.5 to 5.5	4.6	Conforms
Specific optical rotation Related substances	+ 290 to + 315	+300	Conforms Conforms
Any specified impurity	≤1.0%	0.32%	
Any unspecified impurity Total impurities	≤ 0.10%	0.05%	
	≤ 3.0%	0.79%	
N, N-Dimethylaniline Water	NMT 20 ppm (Not used in process)	Conforms	Conforms
Sulphated ash	11.5% to 14.5% NMT1.0%	12.8%	Conforms
	95.0%~102.0%	0.060%	Conforms
Assay	$C_{16}H_{19}N_3O_5S$ (Calculated on anhydrous	99.3%	Conforms
	basis)	To a	
Residual solvents			Conforms
a) Acetone	NMT800ppm	66 ppm	55611116
o) Dichloromethane	NMT600ppm	350ppm	
Triethylamine N,N-dimethylacetamide	NMT300ppm	57 ppm	
e) Toluene	NMT1090ppm	281 ppm	
) Pivalic acid	NMT600ppm NMT1000ppm	325 ppm	
Bulk Density	0.45 g/ml to 0.65g/ml	677 ppm	
Tapped Density	NLT0.65g/ml	0.54 g/ml	Conforms
Particle size	NMT15%(≥850 µ m)	0.77 g/ml 4%	Conforms
	NLT55%(850 μ m~180 μ m)	76%	Conforms
		1110	popular years mean of all fellings, from a

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: APPROV

