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## ZHUHAI UNITED LABORATORIES CO., LTD.

CONTAINER Nº: INBU5448255/40' GP

## CERTIFICATE OF ANALYSIS

D12071110881

D12071110001		NO:220801115	
Name of product	Amoxicillin Trihydrate Compacted	Batch NO.	30912078039
Packing Batch Weight Mfg. Date Date of testing Storage	25.00kg/drum 1025.62kg 15/07/2012 15/07/2012	Pieces Specifications Exp.Date Date of report	40 drums +1drum EP and Enterprise standard 06/2015 01/08/2012
CEP: No.R0-CEP2007-	Store in the airtight container 191-Rev 02		<u> </u>

TESTS	SPECIFICATIONS	RESULTS	2011011101011
(APPEARANCE)	A white or almost white		CONCLUSION Conforms
	crystalline powder and granule.	A white crystalline powder and granule.	Comorms
(IDENTIFICATION)	Examine by IR absorption		
	spectrophotometry.	Conforms	Conforms
	comparing with the spectrum		1 to 7.
	obtained with amoxicillin		
[SOLUBILITY]	trihydrate CRS	A	
[OOLOBIEI11]	It slightly soluble in water, very slightly soluble in ethanol (96	Conforms	Conforms
	percent), practically insoluble in		
	tatty oils. It dissolves in dilute		
	acids and dilute solutions of alkali hydroxides.		
(TESTS)	alkali flydroxides.		
Appearance of solution	Not more opalescent than	<reference i<="" suspension="" td=""><td>Conforms</td></reference>	Conforms
	reference suspension II	reference suspension 1	00111011110
	(0.5M hydrochloric acid)		
	Not more opalescent than	<reference i<="" suspension="" td=""><td></td></reference>	
	reference suspension II		
На	(dilute ammonia R2) 3.5 to 5.5		
Specific optical rotation	+ 290 to + 315	4.5	Conforms
Related substances	200 10 1 010	+301	Conforms
Any specified impurity	≤1.0%	0.35%	Conforms
Any unspecified impurity Total impurities	≤ 0.10%	0.04%	
	≤ 3.0%	0.76%	
N, N-Dimethylaniline	NMT 20 ppm	Conforms	Conforms
Water	(Not used in process) 11.5% to 14.5%	10.004	
Sulphated ash	NMT1.0%	12.8% 0.090%	Conforms
Assav	95.0%~102.0%		Conforms
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	C <sub>16</sub> H <sub>19</sub> N <sub>3</sub> O <sub>5</sub> S	99.5%	Conforms
	(Calculated on anhydrous		
Residual solvents	basis)		
a) Acetone	NMT800ppm	FO	Conforms
b) Dichloromethane	NMT600ppm	59 ppm 333ppm	
c) Triethylamine	NMT300ppm	53 ppm	
d) N,N-dimethylacetamide	NMT1090ppm	294 ppm	
e) Toluene f) Pivalic acid	NMT600ppm	307 ppm	
Bulk Density	NMT1000ppm	666 ppm	
Tapped Density	0.45 g/ml to 0.65g/ml NLT0.65g/ml		Conforms
Particle size	NMT15%(≥850 µ m)	E0/	Conforms
	NLT55%(850 μ m~180 μ m)	7/10/	Conforms
	NMT30%(≤180 µ m)	21%	報問药股份亦

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: APPRO

APPROVED BY:

质量专用章



