

Hefei TNJ Chemical Industry Co.,Ltd. B910~911 Xincheng Business Center, Qianshan Road, Hefei 230022 China Tel : (0086) 551 65418678 Fax: (0086) 551 65418697 Email: info@tnjchem.com Site: www.tnjchem.com

## **Certificate of Analysis**

CAS No. M.F.	Ciprofloxacin hydr 86393-32-0 C <sub>17</sub> H <sub>18</sub> FN <sub>3</sub> O <sub>3</sub> .HC 385.82		Batch Number Packing	TNJ20150729 25.00kg/ Drum		
M.F.	C <sub>17</sub> H <sub>18</sub> FN <sub>3</sub> O <sub>3</sub> .HC	.H <sub>2</sub> O	-	25.00kg/ Drun	7	
		.H <sub>2</sub> O				
<i>M.W.</i>	385.82		MFG Date	Jul 29, 2015		
			Analysis Date	Jul 29, 2015		
N.W.	25KG		Retest Date	Jul 28, 2017		
<u>Items</u>		<u>Specification</u>		<u>Results</u>		
Appearance Identification		Faintly yellowish to light yellow	crystals	Faintly crystals	yellowish	
IR		IR spectrum of sample confor standard	rms to that of reference	Complies		
HPLC		The retention time of the major peak of the samples solution corresponds to that of the standard solution as		Complies		
Reaction of chlorides		obtained the assay A solution of it responds to the tests for chloride		Complies		
Residue on ignition		$\leq 0.1\%$				
Sulfate		≤0.04%		0.02%		
Heavy metal		≤0.002%		<0.04%		
Fluoroquinolonic(Method 1)		≤0.2%		<0.002%		
Ciprofloxacin ethylenediamine				<0.2%		
analog(Method 2)		≤0.2%		0.12		
Individual impurity(Method 2)		≤0.2%		0.08%(RRT:0.4)		
Total impurities(Method 2)		≤0.5%		0.07%(RR)	F:1.2)	
PH		3.0-4.5		0.38%		
Water		4.7-6.7%		4.0		
Assay		98-102%		6.0%		
				99.9%		
Prepared by [	Dong Mei	Checked by Wang Ti	ANYLOUT COMPLIES FITH THE	Approved by	Liu Wu	
Conclusion	The Quality of the above said is in conformity with USP36					
Storage S	Stored in dry and ventilation place, far from heat and water.					
COA Issuer Q	COA Issuer Quality Control Team-Technology Department					