

QUALITY CONTROL DEPARTMENT CERTIFICATE OF ANALYSIS

Product			Ciprofloxacin Hydrochloride EP Page 1 of 1							
CAS No.			86393-32-0			Date of Mfg.			January 2014	
Batch No.			CEP-MZ/140103			Expiry Date			June 2018	
Batch Quantity			220.00 Kg.			Date of Analysis		ic	03/01/2014	
A.R. No.		<i>V</i>	E-22/14PP0003			Date of Release			11/01/2014	
SR. NO.		TESTS			OBSERVATIONS		SPECIFICATIONS			
1.	Appearance				Pale yellow crystalline, slightly hygroscopic powder.		Pale yellow, crystalline, slightly hygroscopic powder.			
2.	Solubility				Complies.		Soluble in Water, Slightly soluble in Methanol, Very slightly soluble in anhydrous Ethanol, Practically insoluble in Acetone, in Ethyl acetate and in Methylene chloride.			
3.	Identification A) By IR			Confir	m.		The Infrared absorption spectrum of test sample being examined must be concordant with the IR spectrum obtained from Ciprofloxacin Hydrochloride WS.			
	B) Reaction For Chloride				Complies.		It gives the reaction of chlorides.			
4.	Appearance of Solution				Complies.		The solution is clear and not more intensely coloured than reference solution GY ₅ .			
5.	рН			3.67			Between 3.5 to 4.5			
6.	Impurity A (By TLC)			Less T	Less Than 0.2%		Not More Than 0.2%			
7.	Related Substances Impurity B Impurity C			0.03%			Not More Than 0.2% Not More Than 0.2%			
					0.02%					
	• Impurit				0.02%		Not More Than 0.2%			
	 Impurity E Unspecified Impurity			Not Detected.			Not More Than 0.3%			
				0.04% 0.15%			Not More Than 0.10%			
8.	Total ImpuritiesHeavy Metals						Not More Than 0.5%			
9.	Water (By KF)				Less Than 20 ppm. 5.78%		Not More Than 20 ppm.			
10.	Sulphated Ash				0.05%		Maximum 6.7 %, determined on 0.2g			
	11. Assay (by HP				99.76%		Maximum 0.1%, determined on 1 gm Not Less Than 98.0% and Not More Than			
	(on anhydrous basis)			99.7070	33.7070		102.0%			
12.	EDTA Content			81 ppm			Not More Than 200 ppm.			
	In-House 7	Γest								
13.	Residual Solvents									
	• Methanol			216 ppi	216 ppm.		Not More Than 3000 ppm.			
	• n-Butanol			Not De	Not Detected.		Not More Than 5000 ppm.			
• Toluene				Not Detected.		Not More Than 890 ppm.				
Pinio	n: The ab	ove pr	oduct Comp	lies as per EF	& In-house Spe	ecific	cation with the	ne prescrib	ped standard of quality	
	with res	pect to	above test as	s per specifica	tion No.FPS/CII	PR/0	15-A Rev. 02	2		
Signature		Uspehor			cel		.10		14104/2014	
		14104120					2014		1100112017	
Positi	ion	Officer Q.C. Prepared By			Executive Q.C. Checked By		Q.C.		Head Q.C.	
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Certificate Of Analysis Issued On: 14/04/2014

FACTORY: E-22, MIDC, TARAPUR, TAL. PALGHAR, DIST. THANE - 401 506. MAHARASHTRA, INDIA TEL.: 91-2525-271201 / 275841 / 261203 • Fax: 91-2525-260930 • E-mail: adle22@aartidrugs.com