

QUALITY CONTROL DEPARTMENT CERTIFICATE OF ANALYSIS

Product		Ciprofloxacin Hydrochloride EP				Page 1 of 1	
CAS No.					e of Mfg.	September 2014	
Batch No.			CEP/140918		oiry Date	August 2019	
		451.00 Kg.			te of Analysis	28/09/2014	
A.R. No.			E-22/14P0094		te of Release	06/10/2014	
SR.		TESTS	OBSERVATI		The state of the s	ICATIONS	
NO.		IESIS	ODSERVATI	0110	Sizen	Terrior to	
1.	Appearance		Pale vellow crystall	Pale yellow crystalline,		Pale yellow, crystalline, slightly hygroscopic	
1.	Appearance			slightly hygroscopic powder.		powder.	
2.	Solubility		Complies.	Complies. Soluble in Water Very slightly solution and in Methylen			
3.	Identification A) By IR		Confirm.	Confirm.		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.	Complies.		It gives the reaction of chlorides.	
4.	Appearance	of Solution	Complies.	Complies.		The solution is clear and not more intensely	
						coloured than reference solution GY ₅ .	
5.	рН			3.76		Between 3.5 to 4.5	
6.	Impurity A (Less Than 0.2%	Less Than 0.2%		Not More Than 0.2%	
7.	Related Substances • Impurity B		0.01%	0.01%		Not More Than 0.2%	
	• Impurity C		CAT TOOL TOT OF MAIL	0.02%		Not More Than 0.2%	
	• Impurity D		Not Detected.	Not Detected.		Not More Than 0.2%	
	Impurity E		Not Detected.	Not Detected.		Not More Than 0.3%	
	Unspecified Impurity		0.04%	0.04%		Not More Than 0.10%	
	Total Impurities		0.11%	0.11%		Not More Than 0.5%	
8.	Heavy Metals		Less Than 20 ppm.			Maximum 20 ppm.	
9.	Water (By KF)			5.71%		Maximum 6.7 %, determined on 0.2g	
10.	Sulphated A		0.05%			Maximum 0.1%, determined on 1 gm	
11.	Assay (by H) (on anhydro		99.02%	99.02%		Not Less Than 98.0% and Not More Than 102.0%	
12.	EDTA Content		72 ppm	72 ppm		Not More Than 200 ppm.	
	In-House Te						
13.	Taped Density		0.56gm/ml.	0.56gm/ml.		For Information.	
14.	Residual Solvents						
	• Methanol		384 ppm.	384 ppm.		Not More Than 3000 ppm.	
• n-Butanol			Not Detected.		Not More Than 5000 ppm.		
	• Toluene		Not Detected.		Not More Than 890 ppm.		
Opini	on: The abo	ve product Complect to above test as	ies as per EP & In-hou per specification No.FI	se Specif	fication with the presc /015-A Rev. 02	ribed standard of quality	
Sign	ature	croch		امااحق		Nmmlagne 07/10/2014	

Signature	omehor_ 07/10/2014	oh 07/10/2014	NM mlagne 07/10/2014
Position	Officer Q.C.	Executive Q.C.	Head Q.C.
	Prepared By	Checked By	Approved by

Certificate Of Analysis Issued On: 07/10/2014



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