



		ASSURANCE DEPAR	
		IFICATE OF ANALY	SIS
Product Name	; Cefazolin Sodium El	' (Sterile)	
Batch No.	· C7811120074		
Mfg. Date : Aug 2012		Date of Release • 29/09/2012	
	; Jul 2015		: 200.00 kg
			r evident aluminum container, protected
			ealed with sterilized aluminum seal.
Tests		bservations	EP Specifications
1. Description	White powder, ver	v hvgroscopic	A white or almost white powder, very hygroscopic.
2. Solubility	Freely soluble in w		Freely soluble in water.
3. Identification		nes with that of standard	IR spectrum of test should match with that of standard
. Including		ic reaction for sodium	Should give characteristic reaction for sodium
4. Appearance of solution	Solution S is clear		Solution S should be clear
Absorbance at 430nm 0.015			The absorbance of solution S should be not more than
, acceptance of 450min	0.015		0.15
5. pH	5. pH 5.0		Between 4.0 and 6.0 (10.0% w/v aq. solution)
6. Specific optical rotation 20	-18.0 °		Between -15.0° and -24.0°, on anhydrous basis
a 20 D		13	
7. Absorbance	Complies		The solution should show maximum at 272nm
Specific absorbance at 2	72nm 296		Between 260 and 300, on anhydrous basis
Related substances (by	y HPLC)		2
EP Impurity A	Not detected		Not more than 1.0% w/w, on as is basis
EP Impurity B	0.02%		Not more than 1.0% w/w, on as is basis
EP Impurity C	Not detected		Not more than 1.0% w/w, on as is basis
EP Impurity D	Not detected		Not more than 1.0% w/w, on as is basis
EP Impurity E	0.25%		Not more than 1.0% w/w, on as is basis
EP Impurity G	0.06%		Not more than 1.0% w/w, on as is basis
EP Impurity H	Not detected		Not more than 1.0% w/w, on as is basis
EP Impurity I	0.13%	1	Not more than 1.0% w/w, on as is basis
EP Impurity L	0.01%		Not more than 1.0% w/w, on as is basis
Highest unknown impurit	v 0.06%		Not more than 0.10% w/w, on as is basis
Total impurities	0.53%		Not more than 3.5% w/w, on as is basis
Total impulties			
9. Water	0.9 %		Not more than 6.0% w/w, by KF method
10. Sterility	Sterile		Should be sterile
11. Bacterial endotoxins	< 0.010 EU/mg		Less than 0.15 IU/mg of Cefazolin
12. Particulate matter Visual test	Free from visual	particles	Should be essentially free from any type of visual particles
100 SECTION DE MANAGEMENT	100.00		-
$(>=10 \mu m)$	53		Not more than 1000/g Not more than 100/g
(>=25 μm) 13. Assay	16 97.9 %		Between 95.0% and 102.0% w/w, as Cefazolin sodium, on anhydrous basis, by HPLC
A J.J. G. and J.			Southin, on annyorous pasts, by the LC
Additional tests:	C HE/		
14. Residual solvents (by G			Not more than 5000 ppm
Acetone Triothyl aming	64 ppm 221 ppm		Not more than 320 ppm Not more than 320 ppm
Triethyl amine			Not more than 5 ppm
15. Boron	<1.0 ppm		As per customer requirments
16. Tapped density	0.90 g/cc		
mil	Remark: The product		
This material has been man	ufactured in compliance with E	U GMP requirements and	l Certificate no. RI-CEP 1998-101-Rev 01
Physicalor			Approved by 29,09,12
Checked by			Approved by