



SPECIFICATIONS

GRADE: EP

PRODUCTS NAME		:	DEXTROSE ANHYDROUS EP
CAS NO.		:	50-99-7
Sr. No.	TEST PARAMETER	SPECIFICATION	
1.	Appearance	White or almost white, crystalline powder.	
2.	Solubility	Freely soluble in water, very slightly soluble in ethanol (96%)	
3.	Identification A Specific optical rotation : + 52.5° to + 53.3° (anhydrous substance) Identification B Examine the chromatograms obtained in the assay. Results The principal peak in the chromatogram obtained with the test solution is similar in retention time and size to the principal peak in the chromatogram obtained with reference solution (a). Identification C Thin-layer chromatography Identification D A red precipitate is formed. Identification E Water (see Tests).	To Pass test To Pass test To Pass test To Pass test To Pass test	
4.	Appearance of solution	Appearance of solution The solution is clear and not more intensely colored than reference solution BY ₇ .	
5.	Conductivity	Max. 20 $\mu\text{S}\cdot\text{cm}^{-1}$.	
6.	Related substances	Liquid chromatography (the area of the principal peak in the chromatogram obtained with reference solution (c) (0.05 %))	
7.	Dextrin	To Pass test (The substance dissolves completely)	
8.	Soluble starch, sulfite	Max. 15 ppm	
9.	Water	Max. 1 %	
10.	Assay % (Anhydrous Basis)	97.5 % to 102.0 %.	