



SPECIFICATIONS
GRADE: USP

PRODUCTS NAME		:	DEXTROSE ANHYDROUS USP
CAS NO.		:	50-99-7
Sr. No.	TEST PARAMETER	SPECIFICATION	
1.	Appearance	Colorless crystals or white, crystalline or granular powder.	
2.	Solubility	Very soluble in boiling water; freely soluble in water; soluble in boiling alcohol; slightly soluble in alcohol.	
3.	Identification A	To Pass test	
	Infrared Spectroscopy		
	Identification B	To Pass test	
	The principal peak from the Sample solution is similar in retention time and size to the principal peak from Standard solution A.		
3.	Identification C	To Pass test (NMT 1.0 %)	
	Water Determination		
4.	Assay %(Anhydrous Basis)	NLT 97.5 % and NMT 102.0 %.	
5.	Related substances	Maltose and Isomaltose : NMT 0.4% Maltotriose : NMT 0.2% Fructose : NMT 0.15% Unspecified : NMT 0.10% Total Impurities : NMT 0.5 %	
6.	Color and Clarity of Solution	The Sample solution is clear (its clarity is the same as that of water or its opalescence is not more pronounced than that of the Reference suspension) and not more intensely colored than the reference solution.	
7.	Conductivity	NMT 20 μ S/cm at 25°	
8.	Dextrin	To Pass test (The Sample dissolves completely)	
9.	Soluble Starch, Sulfites	NMT 15 ppm	