



**Specification for D-(+)-Trehalose, Dihydrate, cGMP
Manufactured (T1724)**

Item Number	T1724
Item	D-(+)-Trehalose, Dihydrate, cGMP Manufactured
CAS Number	6138-23-4
Molecular Formula	C ₁₂ H ₂₂ O ₁₁ •2H ₂ O
Molecular Weight	378.33
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
ASSAY (HPLC, ANHYDROUS)	97.0	102. %
APPEARANCE/COLOR OF SOLUTION	TO PASS TEST	
pH (10% AQUEOUS)	4.5	6.5
SPECIFIC ROTATION @ 20°C (ANHYDROUS)	+197 to +201°	
WATER CONTENT (KF)	9.0	11.0
RELATED SUBSTANCES	TO PASS TEST	
HEAVY METALS		5 ppm
SULFATE		200 ppm
CHLORIDE		125 ppm
SOLUBLE STARCH	TO PASS TEST	
SULFATED ASH		0.1 %
MICROBIAL LIMITS:		
TOTAL AEROBIC MICROBIAL COUNT		100 EU/g
TOTAL YEAST AND MOLD COUNT		100 CFU/g
ESCHERICHIA COLI		Negative
SALMONELLA		Negative
BACTERIAL ENDOTOXINS		2.5 EU/g
APPEARANCE		
RETEST DATE		
DATE OF MANUFACTURE		
RESIDUAL SOLVENTS	TO PASS TEST	

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