

**Specification for Dextrose, Anhydrous, USP, EP, BP, JP
(DE140)**

Item Number	DE140
Item	Dextrose, Anhydrous, USP, EP, BP, JP
CAS Number	50-99-7
Molecular Formula	C ₆ H ₁₂ O ₆
Molecular Weight	180.20
MDL Number	
Synonyms	D-Glucose ; Glucose ; Corn Sugar

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (USP/EP/BP) (ANHYDROUS BASIS)	97.5	102 %
ASSAY (JP) (ANHYDROUS BASIS)	99.5 %	
Acidity (JP)	RED COLOR DEVELOPS	
LOSS ON DRYING (JP)		1.0 %
WATER (EP/BP)		1.0 %
COLOR AND CLARITY OF SOLUTION (USP/EP/BP/JP)	SOLUTION IS CLEAR AND NOT MORE COLORED THAN STANDARD	
RESIDUE ON IGNITION (JP)		0.1 %
CONDUCTIVITY (USP/EP/BP)		20 ?S/cm
CHLORIDE (Cl) (JP)		0.018 %
SULFATE (SO ₄) (JP)		0.024 %
ARSENIC (As) (JP)		1.3 ppm
ELEMENTAL IMPURITIES	AS REPORTED	
HEAVY METALS (JP)		4 ppm
DEXTRIN (USP/EP/BP/JP)	SOLUTION IS CLEAR	
SOLUBLE STARCH AND SULFITE (JP)	YELLOW COLOR DEVELOPS	
SOLUBLE STARCH, SULFITES (USP/EP/BP)		15 ppm
RELATED SUBSTANCES (USP/EP/BP):		
MALTOSE AND ISOMALTOSE		0.4 %
MALTOTRIOSE		0.2 %
FRUCTOSE		0.15 %
UNSPECIFIED IMPURITIES		0.10 %
TOTAL IMPURITIES		0.5 %

Test	Specification	
	Min	Max
IDENTIFICATION A (USP A)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION B (USP B)	RETENTION TIME CORRESPONDS TO STANDARD	
IDENTIFICATION C (USP C)		1.0 %
IDENTIFICATION D (EP/BP A)	+52.5 to +53.3°	
IDENTIFICATION E (EP/BP B)	RETENTION TIME CORRESPONDS TO STANDARD	
IDENTIFICATION F (EP/BP C)	PRINCIPAL SPOT CORRESPONDS TO STANDARD	
IDENTIFICATION G (EP/BP D)	NO RED COLOR DEVELOPS	
IDENTIFICATION H (EP/BP E)		1.0 %
IDENTIFICATION I (JP)	RED PRECIPITATE IS PRODUCED	
CERTIFIED KOSHER		
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
MONOGRAPH EDITION.		
RESIDUAL SOLVENTS	AS REPORTED	

Spectrum Chemical Mfg Corp

Corporate Headquarters: **West Coast Facility:**
769 Jersey Ave. 14422 S. San Pedro St.
New Brunswick, NJ 08901 Gardena, CA 90248
732.214.1300 310.516.8000