



**Specification for Dextrose, Anhydrous, USP, EP, BP, JP,  
bioCERTIFIED (TM) (D9350)**

Item Number	D9350
Item	Dextrose, Anhydrous, USP, EP, BP, JP, bioCERTIFIED (TM)
CAS Number	50-99-7
Molecular Formula	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
Molecular Weight	180.20
MDL Number	
Synonyms	D-Glucose ; Glucose ; Corn Sugar

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (JP)	99.5	101.0 %
ASSAY (ANHYDROUS BASIS; EP, BP, USP)	97.5	102.0%
Acidity (JP)	RED COLOR DEVELOPS	
LOSS ON DRYING (JP)		1.0 %
Water (USP, EP, BP)		1.0 %
COLOR AND CLARITY OF SOLUTION	CLEAR NO MORE COLOR THAN STANDARD	
RESIDUE ON IGNITION (JP)		0.1 %
CONDUCTIVITY (USP, EP, BP)		20 μS/cm
RELATED SUBSTANCES (USP, EP, BP):		
MALTOSE AND ISOMALTOSE		0.4 %
MALTOTRIOSE		0.2 %
FRUCTOSE		0.15 %
UNSPECIFIED IMPURITY		0.10 %
TOTAL IMPURITIES		0.5 %
Chloride (Cl, JP)		0.018 %
Sulfate (SO <sub>4</sub> , JP)		0.024 %
Arsenic (As, JP)		1.3 ppm
ELEMENTAL IMPURITIES		AS REPORTED
HEAVY METALS (JP)		4 ppm
DEXTRIN	SAMPLE DISOLVES COMPLETELY	
SOLUBLE STARCH, SULFITES (USP, EP, BP)		15 ppm
SOLUBLE STARCH AND SULFITE (JP)	SOLUTION IS YELLOW	

Test	Specification	
	Min	Max
MICROBIAL LIMITS:		
BACTERIAL ENDOTOXINS		2.5 EU/g
TOTAL AEROBIC MICROBIAL COUNT		1000 CFU/g
TOTAL YEASTS AND MOLDS COUNT		100 CFU/g
IDENTIFICATION (A) USP	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B) USP	RETENTION TIME MATCH STANDARD	
IDENTIFICATION (C) USP		1.0 %
IDENTIFICATION (A) EP	+52.5 to +53.3°	
IDENTIFICATION (C) EP	CHROMATOGRAM MATCHES STANDARD	
IDENTIFICATION (D) EP	NO RED COLOUR DEVELOPS	
IDENTIFICATION E (EP)		1.0 %
IDENTIFICATION (JP)	RED PRECIPITATE FORM	
CERTIFIED KOSHER		
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
MONOGRAPH EDITION.		
MONOGRAPH EDITION..		
RESIDUAL SOLVENTS		AS REPORTED

***Spectrum Chemical Mfg Corp***

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