

Item Number	G1016
Item	Glycerin, Natural, USP, EP, BP
CAS Number	56-81-5
Molecular Formula	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>
Molecular Weight	92.10
MDL Number	
Synonyms	1,2,3-Propanetriol ; Glycerol ; 1,2,3-Propanetriol

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (ANHYDROUS BASIS) (USP)	99.0	101.0 %
ASSAY (ANHYDROUS BASIS) (EP/BP)	98.0	101.0 %
SPECIFIC GRAVITY @ 25°C (USP)	1.249	
APPEARANCE OF SOLUTION (EP/BP)	SOLUTION IS CLEAR AND COLORLESS	
REFRACTIVE INDEX (EP/BP)	1.470	1.475
COLOR (USP)	NOT DARKER THAN STANDARD	
RESIDUE ON IGNITION (USP)		0.01 %
SULFATED ASH (EP/BP)		0.01 %
CHLORIDE (USP)		10 ppm
CHLORIDES (EP/BP)		10 ppm
SULFATE (USP)		20 ppm
ELEMENTAL IMPURITIES	AS REPORTED	
LIMIT OF CHLORINATED COMPOUNDS (USP)		30 ppm
HALOGENATED COMPOUNDS (EP/BP)		35 ppm
WATER (USP)		5.0 %
WATER (EP/BP)		2.0 %
FATTY ACIDS AND ESTERS (USP)		1 mL
RELATED COMPOUNDS (USP):		
INDIVIDUAL IMPURITIES		0.1 %
TOTAL IMPURITIES		1.0 %
IMPURITY A & RELATED SUBSTANCES (EP/BP):		
IMPURITY A		0.1 %

Test	Specification	
	Min	Max
ANY OTHER IMPURITY WITH RETENTION TIME LESS THAN THE RETENTION TIME OF GLYCEROL		0.1 %
TOTAL OF ALL IMPURITIES WITH RETENTION TIME GREATER THAN THE RETENTION TIME OF GLYCEROL		0.5 %
ACIDITY OR ALKALINITY (EP/BP)	COLORLESS <0.2mL	
ALDEHYDES (EP/BP)		10 ppm
SUGARS (EP/BP)	REMAINS BLUE AND NO PRECIPITATE FORMS	
ESTERS (EP/BP)	8.0 mL	
IDENTIFICATION A (USP A)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION B (USP B):		
LIMIT OF DIETHYLENE GLYCOL		0.10 %
LIMIT OF ETHYLENE GLYCOL		0.10 %
IDENTIFICATION C (USP C)	RETENTION TIME CORRESPONDS TO STANDARD	
IDENTIFICATION D (EP/BP A)	1.470	1.475
IDENTIFICATION E (EP/BP B)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION F (EP/BP C)	1.258	1.268
CERTIFIED KOSHER		
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
MONOGRAPH EDITION.		
MANUFACTURER NAME:		
RESIDUAL SOLVENTS	AS REPORTED	

***Spectrum Chemical Mfg Corp***

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