



Specification for PEG 400, USP/NF, EP bioCERTIFIED (TM)
(P9070)

Item Number	P9070
Item	PEG 400, USP/NF, EP bioCERTIFIED (TM)
CAS Number	25322-68-3
Molecular Formula	H(OCH ₂ CH ₂) _n OH
Molecular Weight	
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
Average Molecular Weight (NF)	380	420
COMPLETENESS AND COLOR OF SOLUTION (NF)	TO PASS TEST	
APPEARANCE OF SOLUTION (EP)	TO PASS TEST	
Viscosity @ 98.9 ± 0.3°C (210°F) (NF)	6.8	8.0 cSt
Kinematic Viscosity @ 20°C (EP)	94	116 mm ² /s
Dynamic Viscosity @ 20°C (EP)	105	130 mPa•s
Hydroxyl Value (EP)	264	300
pH OF A 5% SOLUTION @ 25°C (NF)	4.5	7.5
ELEMENTAL IMPURITIES	AS REPORTED	
REDUCING SUBSTANCES (EP)	TO PASS TEST	
ACIDITY OR ALKALINITY (EP)	TO PASS TEST	
WATER (EP)		2.0 %
SULFATED ASH (EP)		0.2 %
RESIDUE ON IGNITION (NF)		0.1 %
ETHYLENE OXIDE (EP)		1 ppm
ETHYLENE OXIDE (NF)		10 ppm
Dioxane (EP, NF)		10 ppm
Ethylene Glycol and Diethylene Glycol (NF)		0.25 %
Ethylene Glycol and Diethylene Glycol (EP)		0.4 %
FORMALDEHYDE (EP)		30 ppm
MICROBIAL LIMITS:		
ENDOTOXINS		2.5 EU/mg
TAMC		1000 CFU/g
TYMC		100 CFU/g

Test	Specification	
	Min	Max
IDENTIFICATION		
EXPIRATION DATE		
DATE OF MANUFACTURE		
MANUFACTURER NAME:		
RESIDUAL SOLVENTS	AS REPORTED	

Spectrum Chemical Mfg Corp

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