



Specification for Poloxamer 407, NF (P1166)

Item Number	P1166
Item	Poloxamer 407, NF
CAS Number	9003-11-6
Molecular Formula	$\text{HO}(\text{C}_2\text{H}_4\text{O})_a(\text{C}_3\text{H}_6\text{O})_b(\text{C}_2\text{H}_4\text{O})_a\text{H}$
Molecular Weight	12500
MDL Number	
Synonyms	Pluronic® F127 ; Polyethylene-Polypropylene Glycol

Test	Specification	
	Min	Max
AVERAGE MOLECULAR WEIGHT	9,840	14,600
WEIGHT PERCENT OXYETHYLENE	73.2 +/-1.7 %	
pH OF A 1 IN 40 SOLUTION	5.0	7.5
ELEMENTAL IMPURITIES		AS REPORTED
UNSATURATION		0.065 mEq/g
FREE ETHYLENE OXIDE		1 µg/g
FREE PROPYLENE OXIDE		5 µg/g
FREE 1,4-DIOXANE		5 µg/g
IDENTIFICATION	SPECTRUM MATCHES REFERENCE	
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS		AS REPORTED

Spectrum Chemical Mfg Corp

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