



318 Half Day Rd, PMB 348, Buffalo Grove, IL 60089

Specification Sheet

Product : Polysorbate 80 (USP/NF grade)

Description	Specification	
	MIN	MAX
FCC, Food Chemical Code	-	-
NF, National Formulary	-	-
Identification IR	-	-
C14, Myristic, %	0.0	5.0
C16, Palmitic, %	0.0	16.0
C16:1, Hexadecenoic, %	0.0	8.0
C18 Stearic, %	0.00	6.0
C18:1 Oleic, %	58.0	90.0
C18:2, Linoleic, %	0.0	18.0
C18:3, Linolenic %	0.0	4.0
Oleic acid content C18:1, g/100g	22.0	24.0
Acid Value C18:1), mgKOH/g	193.0	206.0
Iodine Value C18:1, g12/100g	80.0	92.0
Identification FCC	-	-
Oxyethylene Content, %	65.00	69.50
1,4 Dioxane, ppm	0.0	1.0
Ethylene oxide, ppm	0.0	1.0
Hydroxyl Value, mgKOH/g	65.0	80.0
Residue on ignition, %p	0.000	0.250
Acidity Index, mgKOH/g	0.0	2.0
Arsenic, as As, ppm	0.0	1.0
Lead, as Pb, ppm	0.0	2.0
Heavy Metals, ppm	0.0	10.0

pH, 5wt% aqueous solution, 25 °C	6.0	7.0
Kinematic Viscosity, 25°C, cSt	300.0	500.0
Peroxide Value, mEq/1000g	0.0	9.0
Specific Weight at 25°C	1.060	1.090
Saponification Value, mgKOH/g	45.0	55.0
Moisture, %	0.0	3.0
Gardner Color, 25°C	0.0	4.0

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