



Typical Analysis

Distributor: Chemistry Connection
 255 Sturgis Road
 Conway, AR 72034
 501-470-9689

Product: Polysorbate 20

THE FOLLOWING VALUES HAVE BEEN PROVIDED BY THE MANUFACTURER OF THIS PRODUCT.

Characteristic	Specification		Result
	Min	Max	
Identification (IR)			Pass
C10 Capric, %	0.0	10.0	6.5
C12 Lauric, %	40.0	60.0	51.1
C14 Myristic, %	14.0	25.0	19.7
C16 Palmitic, %	7.0	15.0	11.5
C18: Stearic, %	0.0	11.0	4.4
C18:1 Oleic, %	0.0	11.0	2.7
C18:2 Linoleic, %	0.0	3.0	0.0
C6 Caproic, %	0.0	1.0	0.0
C8 Caprylic, %	0.0	10.0	4.1
Lauric Acid (C12) content, g/100g	15.0	17.0	15.6
Acid Value (C12), mgKOH/g	250.0	275.0	251.9
Oxyethylene Content, %	70.0	74.0	72.0
Hydroxyl value, mgKOH/g	96.0	108.0	97.3
Sulfated ashes, wt%	0.000	0.250	0.07
Acid value, mgKOH/g	0.0	2.0	0.9
Viscosity, 25C, BKF, cP	275.0	480.0	372.4
Arsenic, as As, ppm	0.0	1.0	<1
Lead, as Pb, ppm	0.0	1.0	<1
Residual ethylene oxide, ppm	0	1	0
Dioxane, ppm	0	10	2
Heavy metals, ppm	0	10	<10
pH, 5wt% aqueous solution, 25C	5.0	7.0	6.2
Peroxide value, mEq/1000g	0.0	10.0	1.9
Density, 25C, g/cm	1.080	1.120	1.101
Saponification value, mgKOH/g	40.00	50.00	46.2
Moisture, wt%	0.0	3.0	2.4
Gardner color, 25C	0.0	3.0	2.1