



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, 25oC, 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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