

Polyethylene glycol 200



INCI Name: PEG-200

CAS Numbers: 25322-68-3

Description:

Polyethylene glycol, which is also called PEGs for short are synthesized by polymerization of ethylene oxide in the presence of water or ethylene glycol and alkaline catalysts. Polyethylene glycol is non-immunogenic chemical that confers greater water solubility to proteins and labeling tags.

Technical Data:

Análisis Analysis	Min	Max
Viscosidad Cinematica a 98.9 °C, cSt <i>Cinematic Viscosity at 98.9 °C, cSt</i>	3.9	4.8
Humedad (Karl Fisher), % <i>(Karl Fisher)Moisture, %</i>	0	0.5
pH, 5% en agua <i>pH, 5 % in water</i>	4.5	7.5
Peso Molecular, g/gmol <i>Molecular weight, g/gmol</i>	190	210
Color APHA, 25% en agua <i>APHA Color, 25% in water</i>	0	30
Oxido de Etileno, ppm <i>Ethylene Oxide, ppm</i>	0	10
1,4 Dioxano, ppm <i>1,4 Dioxane, ppm</i>	0	10
Metales Pesados, ppm <i>Heavy Metals, ppm</i>	0	5
Residuo de Ignicion, % <i>Ignition residue, %</i>	0	0.1
Etilen y Dietilenglicol, % <i>MEG and DEG, %</i>	0	0.25

Applications:

Polyethylene glycol or PEG is used in the pharmaceutical and cosmetic industries as ointment bases, creams, lotions, face lotions, lipsticks, toothpastes, and anti-foaming agents in the production of polyurethanes.



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