

Polyethylene glycol 3350



INCI Name: PEG-3350

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>Kinematic Viscosity @ 98.9 °C, cSt</i>	76	110
pH, 5% en agua <i>pH, 5 % in water @ 25 °C</i>	4.5	7.5
Peso Molecular, g/gmol <i>Molecular weight, g/gmol</i>	3000	3685
Humedad (Karl Fisher), % <i>(Karl Fisher)Moisture, %</i>	0	0.5
Color APHA, Pt-Co <i>Apha Color</i>	0	30
Oxido de Etileno, ppm <i>Free 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>Residue on ignition, %</i>	0	0.1

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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