

Polysorbate 80

INCI Name: Polysorbate 80

CAS Numbers: 9005-65-6



Description:

Polysorbates are a class of emulsifiers used in some pharmaceuticals and food preparation. They are often used in cosmetics to solubilize essential oils into water-based products. Polysorbate 80 is a surfactant and emulsifier used in cleaners and personal care products.

Technical Data:

Characteristic	UOM	Minimum	Maximum
Acid Value	Mg KOH/g	0.000	2.000
Appearance @ 25°C, Clear Yellow Liquid			
Arsenic, 1 ppm Max			
1.4 Dioxane, 1.0 ppm Max			
Heavy Metals, 10 ppm Max			
Hydroxyl	Mg KOH/g	65.00	80.00
Identity Test A			
Identity Test B			
Identity Test C			
Meets National Formulary Monograph			
P.O.E.	Weight%	65.0	69.5
Residue, on Ignition	Weight%	0.000	0.250
Saponification Value	Mg KOH/g	45.00	55.00
Water	Weight%	0.00	3.00

Applications:

Polysorbate 80 is used in moisturizer, shampoos, styling gels, lotions, hair sprays, hair color and bleaching products, conditioners, sunscreens, toners, astringents, sunless tanning products, scalp treatment products, exfoliants, scrubs, bar soaps, and detanglers.



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