

PRODUCT Polysorbate 80 Ph. Eur.

CAS no. 9005-65-6

OTHER NAMES Tween 80

CHARACTERISTICS Oily, yellowish or brownish-yellow, clear or slightly opalescent liquid. Dispersible in water, in anhydrous ethanol, in ethyl acetate and in methanol, practically insoluble in fatty oils and in liquid paraffin.

TEST	SPECIFICATION	
Relative Density	About 1.10	
Viscosity	About 400 mPa·s at 25 °C	
Identification	Conforms to Ph. Eur. tests	
Acid value	Maximum 2.0	
Hydroxyl value	65 to 80	
Peroxide value	Maximum 10.0	
Saponification value	45 to 55	
Ethylene oxide	Maximum 1ppm	
Dioxan	Maximum 10ppm	
Heavy metals	Maximum 10ppm	
Water	Maximum 3.0%	
Total ash	Maximum 0.25%	
Composition of fatty acids	Myristic Acid	Maximum 5.0%
	Palmitic Acid	Maximum 16.0%
	Palmitoleic Acid	Maximum 8.0%
	Stearic Acid	Maximum 6.0%
	Oleic Acid	Minimum 58.0%
	Linoleic Acid	Maximum 18.0%
	Linolenic Acid	Maximum 4.0%

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