

POLIKOL 1000PF

CHEMICAL NAME	Polyethylene glycol Ph. Eur; Macrogol 1000
INCI NAME	
CAS NUMBER	25322-68-3
FUNCTION	Solvent, solubilising agent
TECHNICAL REQUIREMENTS	<p>Samenesscomplies with A, B,C tests</p> <p>Appearance at (20±25)°Cwhite to pale yellow wax</p> <p>Solution appearance ≤ color of the comparative solution BY₆</p> <p>Hydroxyl value, mg KOH/g 107 , 118</p> <p>Acidity or alkalinity, mL ≤ 0.1</p> <p>Water, %(m/m) ≤ 2.0</p> <p>Kinematic viscosity at 20 ± 0,1 °C, mm²/s 20.4 ÷ 27.7</p> <p>Dynamic viscosity at 20 ± 0,1 °C, mPa·s22 ÷ 30</p> <p>Sulphated ash, % (m/m) ≤ 0.2</p> <p>Formaldehyde, ppm ≤ 30</p> <p>Ethylene oxide, ppm ≤ 1</p> <p>1,4- Dioxane, ppm ≤ 10</p> <p>Reducing substances ≤ color of the comparative solution R₃</p> <p>Sum of the contents of ethylene glycol and diethylene glycol ,%(m/m)≤ 0.4</p> <p>Melting point,°C.....35 ÷ 40</p>
GENERAL DATA	-
APPLICATION	<p>Macrogols are a group of polyethylene glycols that are widely used in pharmaceutical, medical and food production. These polymers of ethylene oxide are often referred to as PEG, POE, PEO, while the common name used in the pharmaceutical industry is Macrogol. In order to classify polyethylene glycols as Macrogols, it is necessary to meet the restrictive requirements described by the Pharmacopoeia. POLIKOL 1000PF meets the quality requirements according to the 9.0 version of European Pharmacopoeia. It is used as solvent and solubilising agent for active substances and excipients of pharmaceutical formulations present in liquid and semi – liquid forms.</p>