

## POLIKOL 6000PF

<b>CHEMICAL NAME</b>	Polyethylene glycol Ph. Eur; Macrogol 6000
<b>INCI NAME</b>	-
<b>CAS NUMBER</b>	25322-68-3
<b>FUNCTION</b>	Solubilising agent, humectant
<b>TECHNICAL REQUIREMENTS</b>	<p>Sameness ..... complies with A, B,C tests</p> <p>Appearance at (20±25)°C ..... white wax</p> <p>Solution appearance ..... ≤ color of the comparative solution BY<sub>6</sub></p> <p>Hydroxyl value, mg KOH/g ..... 16 ÷ 22</p> <p>Acidity or alkalinity, mL ..... ≤ 0.1</p> <p>Water, %(m/m) ..... ≤ 2.0</p> <p>Kinematic viscosity at 20°C, mm<sup>2</sup>/s ..... 185 ÷ 250</p> <p>Dynamic viscosity at 20°C, mPa·s ..... 200 ÷ 270</p> <p>Sulphated ash, % (m/m) ..... ≤ 0.2</p> <p>Formaldehyde, ppm ..... ≤ 30</p> <p>Ethylene oxide, ppm ..... ≤ 1</p> <p>Dioxane, ppm ..... ≤ 10</p> <p>Reducing substances..... ≤ color of the comparative solution R3</p> <p>Melting point, °C..... 55 ÷ 61</p>
<b>GENERAL DATA*</b>	-
<b>APPLICATION</b>	<p>Polyethylene glycols are a group of polymers widely used in industrial, food, medical and pharmaceutical 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 6000PF meets the quality requirements according to the 9.0 version of European Pharmacopoeia. Solubilizing agent for active substances of pharmaceutical preparations in solid form with a waxy or paraffin-like appearance. Used in the production of pills as an active matter binding agent, or as a coating component, anti-caking agent or plasticizer in pills forming steps.</p>