

## POLIKOL 400PF

<b>CHEMICAL NAME</b>	Polyethylene glycol Ph. Eur; Macrogol 400
<b>INCI NAME</b>	PEG-9
<b>CAS NUMBER</b>	25322-68-3
<b>FUNCTION</b>	Solvent, solubilising agent, intermediate
<b>TECHNICAL REQUIREMENTS</b>	<p>Sameness .....complies with A, B,C tests</p> <p>Appearance at (20±25)°C .....clear, colorless viscous liquid</p> <p>Solution appearance .....≤ color of the comparative solution BY6</p> <p>Hydroxyl value, mg KOH/g .....264 ÷ 300</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 ..... 94 ÷ 116</p> <p>Dynamic viscosity at 20°C, mPa·s ..... 105 ÷ 130</p> <p>Sulphated ash, % (m/m) ..... ≤ 0.2</p> <p>Heavy metals, ppm ..... ≤ 20</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>Total glycol content, % (m/m), ..... ≤ 0.4</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. The standard technical specification of POLIKOL 400 produced in PCC Exol S.A. indicates five physicochemical properties, while the pharmacopoeia specification, even 13. POLIKOL 400PF meets the quality requirements according to the 9.0 version of European</p>

Pharmacopoeia. It is used as solvent and solubilising agent for active substances and excipients of pharmaceutical formulations present in liquid and semi – liquid forms. Also used as an intermediate in the synthesis of active ingredients.