

POLIKOL 3350PF

CHEMICAL NAME Polyethylene glycol Ph. Eur; Macrogol 3350

INCI NAME -

CAS NUMBER 25322-68-3

FUNCTION Solubilising agent, humectant

**TECHNICAL
REQUIREMENTS**

Sameness complies with A, B,C tests
 Appearance at (20±25)°C white wax
 Solution appearance ≤ color of the comparative solution BY₆
 Hydroxyl value, mg KOH/g 30 ÷ 38
 Acidity or alkalinity, mL ≤ 0.1
 Water, %(m/m) ≤ 2.0
 Kinematic viscosity at 20°C, mm²/s 76 ÷ 110
 Dynamic viscosity at 20°C, mPa·s 83 ÷ 120
 Sulphated ash, % (m/m) ≤ 0.2
 Formaldehyde, ppm ≤ 30
 Ethylene oxide, ppm ≤ 1
 Dioxane, ppm ≤ 10
 Reducing substances..... ≤ color of the comparative solution R3
 Melting point, °C..... 53 ÷ 57

GENERAL DATA* -

APPLICATION

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 3350PF meets the quality requirements according to the 9.0 version of European Pharmacopoeia. Not absorbed by humans, frequently used in solutions with electrolytes of laxative preparations. Commonly used in mixture with PEG400 as ointment base.