

POLIKOL 400EXC

TECHNICAL SPECIFICATION

PRODUCT

NUMBER

STW: EX/2020/1

DATE

2025-08-25

CHEMICAL NAME

Polyethylene glycol Ph. Eur; Macrogol 400

TECHNICAL REQUIREMENTS

Sameness complies with A, B, C tests
(Ph. Eur. 11+Suppl.)

Appearance at (20±25)°C clear, viscous, colourless or almost
colourless, hygroscopic liquid
(Ph. Eur. 11+Suppl.)

Solution appearance clear ≤ color of the comparative
solution BY₆
(Ph. Eur. 11+Suppl.)

Hydroxyl value, mg KOH/g 264 ÷ 300
(Ph. Eur. 11+Suppl.)

Acidity or alkalinity, mL ≤ 0.1
(Ph. Eur. 11+Suppl.)

Water, %(m/m) ≤ 2.0
(Ph. Eur. 11+Suppl.)

Kinematic viscosity at 20 ± 0.1°C, mm²/s 94 ÷ 116
(Ph. Eur. 11+Suppl.)

Dynamic viscosity at 20 ± 0.1°C, mPa·s 105 ÷ 130
(Ph. Eur. 11+Suppl.)

Sulphated ash, % (m/m) ≤ 0.2
(Ph. Eur. 11+Suppl.)

Formaldehyde, ppm ≤ 30
(Ph. Eur. 11+Suppl.)

Ethylene oxide, ppm ≤ 1
(Ph. Eur. 11+Suppl.)

1,4-Dioxane, ppm ≤ 10
(Ph. Eur. 11+Suppl.)

Reducing
substances ≤ color of the comparative solution R₃
(Ph. Eur. 11+Suppl.)

Total glycol content, % (m/m), ≤ 0.4
(Ph. Eur. 11+Suppl.)

INFORMATIVE DATA*

* These informative data are not technical requirements and cannot form the basis for any claims.

USE

Solvent, solubilizer, humectant of active ingredients and auxiliary formulations present in liquid form. Also used as an intermediate

in the synthesis of active ingredients. The product meets the quality requirements according to the current version of the European Pharmacopoeia. The formaldehyde content may increase with the product's storage time.

PACKAGING

Packaging as agreed with the customer.

STORAGE

Polikol 400EXC is stable for 2 years when stored in original, tightly closed containers. It is recommended that the ambient temperature during long-term storage is between 5°C and 25°C, with the extreme acceptable range being between 0°C and 30°C. Storage at higher temperatures is only possible for a short time.

SHELF LIFE

24 months from the date of manufacture

TRANSPORTATION

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA

CLASSIFICATION AND LABELLING

This technical specification is applicable only if accompanied by the Safety Data Sheet in force. Pursuant to statutory requirements, only the Safety Data Sheet includes updated safety information.

The information contained herein is provided in good faith, based on our state of the art knowledge and experience. We reserve the right to amend this Technical Specification as a result of technological progress and product development by the manufacturer.

This product is intended for the purposes specified herein, for industrial and professional use. To use the product for purposes other than indicated herein, please contact **PCC EXOL SA** for consultation sending an e-mail to: industrial.application@pcc.eu

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