

Product Specification

Product Name: PEG 4000 *copoeia

Polyethylene Glycol

Item Nr.: 1814 MW: 3700 - 4400 g/mol HO(C₂H₄O)_nH
 CAS Nr.: 25322-68-3 E.C.Nr.: EINECS: 500-038-2

| Parameter | Method | Specification | Unit |
|-----------------------|-------------------------|--------------------------|--------------------|
| Appearance | visual | solid white, waxy flakes | |
| Solubility | 25% in H ₂ O | soluble | |
| Clarity of solution | Nephelometry | 0 | NTU |
| Coloration of sol. | Gardner | 1 | |
| pH | 5% in H ₂ O | 4.5 - 7.5 | |
| Dyn. Viscosity | at 98.9°C | 110 - 170 | mPas |
| Viscosity kin. | at 20°C of 50% solution | 102 - 158 | mm ² /s |
| Water | KF | ≤1.0 | % |
| Ethylene oxide | | ≤1.0 | ppm |
| Dioxan | | ≤1.0 | ppm |
| Reducing substances | acc. to EP monogr. 1444 | Corr. to reference | |
| Hydroxyl value | acc. to EP monogr. 1444 | 25 - 32 | mg KOH/g |
| Molar mass | Calc. of OH value | 3700 - 4400 | g/mol |
| Freezing Point | | 53 - 59 | °C |
| Acidity or alkalinity | Titration | ≤0.1 | ml |
| Sulfated ash | | <0.2 | % |
| Formaldehyde | acc. to EP monogr. 1444 | ≤ 15.0 | ppm |

Storage: Keep well closed at room temperature in a dark and dry place.

For professional use only. Not intended for pharmaceutical use. We do not warrant suitability for any particular application. Consult Safety Data Sheet.

Version/Latest update: 01/20.03.2025