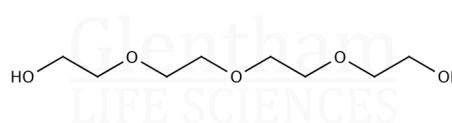


Product Specification

Product Name	Polyethylene glycol 4000, BP, Ph. Eur., USP/NF grade
Glenthams Code	GC0009
CAS Number	25322-68-3
EINECS	500-038-2
MDL Number	MFCD00081839
Molecular Weight	3,600 - 4,400
Molecular Formula	$(-CH_2CH_2O-)_n$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white solid with a waxy appearance
Identification	To pass tests A, B, C according to Ph Eur.
Solubility (25% in water)	Clear, colourless solution
pH (5% in water)	4.5 - 7.5
Molecular Weight	3600 - 4400
Freezing Point	53 - 59 °C
Acidity or Alkalinity	≤ 0.1ml (of 0.1M NaOH required)
Dynamic Viscosity	110 - 170 mPa.s (50% in water)
Kinematic Viscosity	102 - 158 mm ² /s (50% in water)
Dynamic Viscosity	110 - 158 cSt (98.9°C)
Hydroxyl Value	25.0 - 32.0 mgKOH/g
Sulphated Ash	≤ 0.2%
Residue on Ignition	≤ 0.1%
Reducing Substances	To pass test
Formaldehyde	≤ 30ppm
Ethylene Oxide	≤ 1ppm
1,4-Dioxane	≤ 10ppm
Water	≤ 1.0%
Pharmacopoeia Specification(s)	BP, Ph. Eur., USP/NF

Specification Version	- v1.1
Date Created	- 2024-09-25

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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