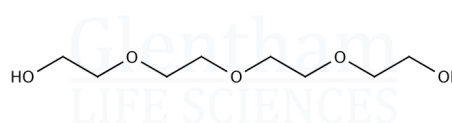


Product Specification

Product Name	Polyethylene glycol 8000, BP, Ph. Eur., USP/NF grade
Glentham Code	GC2100
CAS Number	25322-68-3
EINECS	500-038-2
MDL Number	MFCD00081839
Molecular Weight	~8,000
Molecular Formula	$(-\text{CH}_2\text{CH}_2\text{O}-)_n$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white solid with a waxy appearance
Identification	To pass tests
Colour (Pt-Co)	≤ 25 (25% in water)
Solubility (25% in water)	Clear, colourless solution
pH (5% in water)	4.5 - 7.0
Acidity	≤ 0.015% (as acetic acid)
Acidity or Alkalinity	≤ 0.1ml (of 0.1M NaOH required)
Dynamic Viscosity	260 - 510 mPa.s (50% in water)
Kinematic Viscosity	240 - 472 mm²/s (50% in water)
Freezing Point	55 - 62 °C
Molecular Weight	7000 - 9000
Hydroxyl Value	12.5 - 16.0 mgKOH/g
Reducing Substances	To pass test
Sulphated Ash	≤ 0.1%
Formaldehyde	To pass test
Ethylene Glycol and Diethylene Glycol	≤ 0.2%
Ethylene Oxide	≤ 1ppm
1,4-Dioxane	≤ 5ppm
Heavy Metals	≤ 5ppm
Organic Volatile Impurities	To pass test
Water	≤ 1.0%
Pharmacopoeia Specification(s)	BP, Ph. Eur., USP/NF

Specification Version	- v1.0
Date Created	- 2017-12-20

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

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