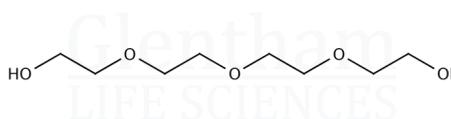


## Product Specification

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	$(-CH_2CH_2O-)_n$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white solid with a waxy appearance
Identification	To pass tests
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 mm <sup>2</sup> /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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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