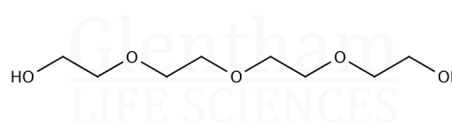


Certificate of Analysis

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
Batch Number	762IRZ

Molecular Weight	~8,000
Molecular Formula	$(-CH_2CH_2O-)_n$
Storage Temp.	+20°C



Property	Specification	Batch 762IRZ
Physical Description	White or almost white solid with a waxy appearance	White solid
Identification	To pass tests	Conforms
Colour (Pt-Co)	≤ 25 (25% in water)	1
Solubility (25% in water)	Clear, colourless solution	Clear, colourless solution
pH (5% in water)	4.5 - 7.0	5.2
Acidity	≤ 0.015% (as acetic acid)	Conforms
Acidity or Alkalinity	≤ 0.1ml (of 0.1M NaOH required)	Conforms
Dynamic Viscosity	260 - 510 mPa.s (50% in water)	Conforms
Kinematic Viscosity	240 - 472 mm ² /s (50% in water)	Conforms
Freezing Point	55 - 62 °C	62°C
Molecular Weight	7000 - 9000	8417
Hydroxyl Value	12.5 - 16.0 mgKOH/g	13.3mgKOH/g
Reducing Substances	To pass test	Conforms
Sulphated Ash	≤ 0.1%	≤ 0.1%
Formaldehyde	To pass test	Conforms
Ethylene Glycol and Diethylene Glycol	≤ 0.2%	Conforms
Ethylene Oxide	≤ 1ppm	0ppm
1,4-Dioxane	≤ 5ppm	0ppm
Heavy Metals	≤ 5ppm	≤ 5ppm
Organic Volatile Impurities	To pass test	Conforms
Water	≤ 1.0%	0.1%
Pharmacopoeia Specification(s)	BP, Ph. Eur., USP/NF	Conforms

Specification Version	v1.0
Manufacture Date	2021-04-03
Re-Test Date	2030-03-05

Certificate of Analysis

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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