

Product Datasheet

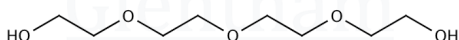
GC2100 - Polyethylene glycol 8000, BP, Ph. Eur., USP/NF grade

Product Details

Product Name	Polyethylene glycol 8000, BP, Ph. Eur., USP/NF grade
Glentham Code	GC2100
CAS Number	25322-68-3
EINECS	500-038-2
Numéro MDL	MFCD00081839

Structure

Molecular Weight	: ~8,000
Molecular Formula	: $(-\text{CH}_2\text{CH}_2\text{O}-)_n$



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	: $\leq 0.015\%$ (as acetic acid)
Acidity or Alkalinity	: $\leq 0.1\text{ml}$ (of 0.1M NaOH required)
Dynamic Viscosity	: 260 - 510 mPa.s (50% in water)
Kinematic Viscosity	: 240 - 472 mm^2/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	: $\leq 0.1\%$
Formaldehyde	: To pass test
Ethylene Glycol and Diethylene Glycol	: $\leq 0.2\%$
Ethylene Oxide	: $\leq 1\text{ppm}$
1,4-Dioxane	: $\leq 5\text{ppm}$
Heavy Metals	: $\leq 5\text{ppm}$
Organic Volatile Impurities	: To pass test
Water	: $\leq 1.0\%$
Pharmacopoeia Specification(s)	: BP, Ph. Eur., USP/NF
Version	: v1.0

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glentham Product Specification

Physical Description : White or almost white solid with a waxy appearance

About Polyethylene glycol 8000, BP, Ph. Eur., USP/NF grade

No further details on record.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025