

Product Datasheet

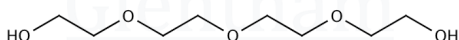
GX6167 - Polyethylene glycol 6000, BP, Ph. Eur., USP/NF grade

Product Details

Product Name	Polyethylene glycol 6000, BP, Ph. Eur., USP/NF grade
Glentham Code	GX6167
CAS Number	25322-68-3
EINECS	500-038-2
MDL Number	MFCD00081839

Structure

Molecular Weight	: ~6,000
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 - 7.5
Acidity or Alkalinity	: $\leq 0.1\text{ml}$ (of 0.1M NaOH required)
Dynamic Viscosity	: 200 - 270 mPa.s (50% in water)
Kinematic Viscosity	: 102 - 158 mm^2/s (50% in water)
Freezing Point	: 55 - 61 $^{\circ}\text{C}$
Molecular Weight	: 5400 - 6600
Hydroxyl Value	: 17.0 - 20.7 mgKOH/g
Reducing Substances	: To pass test
Sulphated Ash	: $\leq 0.1\%$
Formaldehyde	: To pass test
Ethylene Glycol and Diethylene Glycol	: $\leq 2.0\%$
Ethylene Oxide	: $\leq 1\text{ppm}$
1,4-Dioxane	: $\leq 10\text{ppm}$
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: $+20^{\circ}\text{C}$.

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 6000, BP, Ph. Eur., USP/NF grade

No further details on record.

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