

Product Datasheet

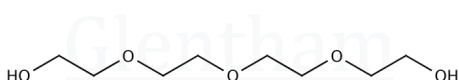
GC0220 - Polyethylene glycol 300, BP, Ph. Eur., USP/NF grade

Product Details

Product Name	Polyethylene glycol 300, BP, Ph. Eur., USP/NF grade
Glentham Code	GC0220
CAS Number	25322-68-3
EINECS	500-038-2
MDL-Nummer	MFCD00081839

Structure

Molecular Weight	: ~300
Molecular Formula	: $(-\text{CH}_2\text{CH}_2\text{O}-)_n$



Physical Description	: Clear, viscous, colourless or almost colourless hygroscopic liquid
Identification	: To pass tests
Solubility (10% in water)	: Clear, colourless solution
Solubility (25% in water)	: Clear, colourless solution ($\leq$ BY6)
Acidity	: $\leq$ 0.1ml (of 0.1M NaOH required)
Dynamic Viscosity	: 80 - 105 mPa.s (20 °C)
Kinematic Viscosity	: 71 - 94 mm ² /s
pH (5% in water)	: 4.5 - 7.5
Molecular Weight	: 285 - 315
Hydroxyl Value	: 340 - 394 mgKOH/g
Reducing Substances	: To pass test
Sulphated Ash	: $\leq$ 0.1%
Formaldehyde	: $\leq$ 15ppm
Ethylene Glycol and Diethylene Glycol	: $\leq$ 0.25%
Ethylene Oxide	: $\leq$ 1ppm
1,4-Dioxane	: $\leq$ 10ppm
Water	: $\leq$ 2.0%
Pharmacopoeia Specification(s)	: BP, Ph. Eur., USP/NF
Dynamic Viscosity	: 5.4 - 6.4 cSt (98.9 °C)
Version	: v1.1

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

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

Glentham Product Specification

About Polyethylene glycol 300, BP, Ph. Eur., USP/NF grade

No further details on record.

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