

QUALITY CERTIFICATE

Product name: MACROGOL 1500
Quality: Ph.Eur.11.0.
Package: 100 g
Formula: $\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$
Rel. mol. weight: 1400-1600
Lot No.: GI5061521
Manufacturing date: 05.2023.
Expiry date: 21.11.2026. (DMY)
Anal. No.: 16613H61521

	REQUIRED	MEASURED
Appearance:	white or almost white solid with a waxy or paraffin-like appearance	white, solid, paraffin-like substance
Solubility	very soluble in water and in methylene chloride, freely soluble in ethanol (96%), practically insoluble in fatty oils and in mineral oils	very soluble in water and in methylene chloride, freely soluble in ethanol (96%), practically insoluble in fatty oils and in mineral oils
Identity (IR)	identical	identical
Identification test 'C'	identical	identical
Appearance of solution	max.BY6	<BY6
Alkalinity, acidity	passes test	passes test
Viscosity (dynamic)	34-50 mPa.s	38,6 mPa.s
Viscosity (kinematic)	31-46 mm ² *s-1	35,5 mm ² *s-1
Freezing point	42-48 °C	46 °C
Hydroxyl value	70-80	77
Reducing substances	passes test	passes test
Formaldehyde	max.30 ppm	<1 ppm
Ethylene glycol, diethylene glycol	max.0,4 %	<0,01 %
Ethylene oxide	max.1 ppm	<1 ppm
Dioxane	max.10 ppm	<1 ppm
Water (KF.)	max.2,0 %	0,4542 %
Sulphated ash	max.0,2 %	0,05 %

The Product complies with the requirements of Ph.Eur.11.0.

Kiállítva: Halásztelek, 2023.12.07.


Nagy Balázs

minőségbiztosítási vezető

Molar Chemicals Kft.
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