

QUALITY CERTIFICATE

Product name: MACROGOL 1500
Quality: Ph.Eur.11.0.
Package: 500 g
Formula: $\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$
Rel. mol. weight: 1400-1600
Lot No.: GA1756422
Manufacturing date: 09.2022.
Expiry date: 31.03.2027. (DMY)
Anal. No.: 14318H56422

	REQUIRED	MEASURED
Appearance:	white or almost white solid with a waxy or paraffin-like appearance	white, solid, paraffin-like substance
Identity	identical	identical
Solubility	freely soluble in water, very slightly soluble in ethanol (96 per cent)	freely soluble in water, very slightly soluble in ethanol (96 per cent)
Appearance of solution	max.BY6	BY6
Alkalinity, acidity	passes test	passes test
Viscosity (dynamic)	34-50 mPa.s	39,8 mPa.s
Viscosity (kinematic)	31-46 mm ² *s-1	36,6 mm ² *s-1
Freezing point	42-48 °C	45 °C
Hydroxyl value	70-80	78
Reducing substances	passes test	passes test
Formaldehyde	max.30 ppm	<30 ppm
Ethylene glycol, diethylene glycol	max.0,4 %	<0,4 %
Ethylene oxide	max.1 ppm	<1 ppm
Dioxane	max.10 ppm	<10 ppm
Heavy metals (Pb)	max.20 ppm	<20 ppm
Water (KF.)	max.2,0 %	0,21 %
Sulphated ash	max.0,2 %	0,009 %

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

Kiállítva: Halásztelek, 2023.03.30.


Nagy Balázs

minőségbiztosítási vezető

Molar Chemicals Kft.
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