

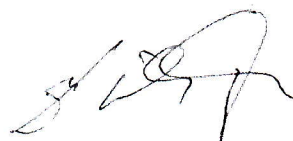
QUALITY CERTIFICATE

Product name:	GLYCEROL (85 PER CENT)
Quality:	Ph.Eur.9.0.
Package:	1000 g
Formula:	C ₃ H ₈ O ₃
Rel. mol. weight:	92,10
Lot No.:	CS7301716 ✓
Manufacturing date:	11.2017.
Expiry date:	02.11.2018. (DMY) ✓
Anal. No.:	74814H01716
Orig. manufacturer:	GLACON
Orig. Lot No.:	AZ-17-2040

	REQUIRED	MEASURED
Appearance	clear, almost colourless syrup-like, thick liquid	clear, almost colourless syrup-like, thick liquid
Identity	identical	identical
Assay	83,5-88,5 %	86,6 % %
Appearance of solution	passes test	passes test
Alkalinity, acidity	passes test	passes test
Refractive index (n _D ²⁰)	1,449-1,455	1,451
Aldehydes	max.10 ppm	<10 ppm ppm
Esters	passes test	passes test
Impurities 'A' and related compounds	passes test	passes test
Total impurity (by GC)	max.0,5 %	<0,5 % %
Sugars	passes test	passes test
Chloride	max.10 ppm	<10 ppm ppm
Heavy metals (Pb)	max.5 ppm	<5 ppm ppm
Water (KF.)	12,0-16,0 %	13,4 % %
Sulphated ash	0,01 %	0 % %
Halogen compounds	max.30 ppm	<30 ppm ppm

The Product complies with the requirements of Ph.Eur.9.0.

Halásztelek, 28.11.2017. (DMY)



Ferenc Kálmán Ph.D.
 Quality Assurance Manager

