

**QUALITY CERTIFICATE**

Product name: GLYCEROL (85 PER CENT)  
Quality: Ph.Eur.11.0.  
Package: 5 kg  
Formula:  $C_3H_8O_3$   
Rel. mol. weight: 92,10  
Lot No.: VZ0161001  
Manufacturing date: 06.2024.  
Expiry date: 18.06.2027. (DMY)  
Anal. No.: 19043H61001

|                                      | <b>REQUIRED</b>                 | <b>MEASURED</b>                 |
|--------------------------------------|---------------------------------|---------------------------------|
| Appearance:                          | clear, almost colourless liquid | clear, almost colourless liquid |
| Identification test 'A'              | identical                       | identical                       |
| Identification test 'B'              | identical                       | identical                       |
| Identification test 'C'              | identical                       | identical                       |
| Assay                                | 83,5-88,5 %                     | 85,09 %                         |
| 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                         |
| Esters                               | passes test                     | passes test                     |
| Impurities 'A' and related compounds | passes test                     | passes test                     |
| Any other impurity                   | max.0,1 %                       | <0,1 %                          |
| Total impurity (by GC)               | max.0,5 %                       | <0,5 %                          |
| Halogenated compounds                | max.30 ppm                      | <30 ppm                         |
| Sugars                               | passes test                     | passes test                     |
| Chloride                             | max.10 ppm                      | <10 ppm                         |
| Water (KF.)                          | 12,0-16,0 %                     | 13,0970 %                       |
| Sulphated ash                        | max.0,01 %                      | 0,0000 %                        |

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

Kiállítva: Halásztelek, 2024.07.18.

  
Nagy Balázs

minőségbiztosítási vezető

**Molar Chemicals Kft.**  
2314 Halásztelek, Árpád utca 1.  
Adószám: 10886713-2-13  
Cégj.sz.: 13-09-1. 67293