

QUALITY CERTIFICATE

Product name: GLUCOSE
Quality: Ph.Eur.10.0.
Package: 500 g
Formula: C₆H₁₂O₆
Rel. mol. weight: 180,16
Lot No.: FG1642729
Manufacturing date: 05.2021.
Expiry date: 09.05.2026. (DMY)
Anal. No.: 99124H42729

| | REQUIRED | MEASURED |
|---------------------------|---|--------------------------|
| Appearance: | white or almost white crystalline powder | white crystalline powder |
| Identification test 'D' | identical | identical |
| $[\alpha]_D^{20}$ | (+52,5)-(+53,3) ° | +52,87 ° |
| Assay | 97,5-102,0 % | 98,6 % |
| Solubility | freely soluble in water, very slightly soluble in ethanol (96 per cent) | passes test |
| Appearance of solution | max.BY7 | passes test |
| Conductivity | max.20 μS/cm-1 | 1,93 μS/cm-1 |
| Related substances (HPLC) | passes test | passes test |
| Impurity A and B | max.0,4 % | <0,4 % |
| Impurity C | max.0,2 % | <0,2 % |
| Impurity D | max.0,15 % | <0,15 % |
| Unspecified impurities | max.0,1 % | <0,1 % |
| Total impurities | max.0,5 % | <0,5 % |
| Dextrin | passes test | passes test |
| Soluble starch, sulfite | max.15 ppm | <15 ppm |
| Water | max.1,0 % | <0,05 % |
| Lead (Pb) | max.0,5 ppm | <0,5 ppm |
| Total germs | max.1000 CFU/g | <1000 CFU/g |
| Yeast and moulds | max.100 CFU/g | 0 CFU/g |
| Salmonella | negative | negative |
| Escherichia coli | negative | negative |

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The Product complies with the requirements of Ph.Eur.10.0.

Kiállítva: Halásztelek, 2021.07.27.

Madarassy Zsolt

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Minőségbiztosítási vezető

