

QUALITY CERTIFICATE

Product name: GLUCOSE
 Quality: Ph.Eur.
 Package: 5 kg
 Formula: $C_6H_{12}O_6$
 Rel. mol. weight: 180,16
 Lot No.: GZ1065067
 Manufacturing date: 07.2024.
 Expiry date: 03.02.2028. (DMY)
 Anal. No.: 60909H65067

	REQUIRED	MEASURED
Appearance:	white or almost white crystalline powder	white crystalline powder
Identification test 'A'	identical	identical
Identification test 'D'	identical	identical
$[\alpha]_D^{20}$	(+52,5)-(+53,3) °	+53,14 °
Assay	97,5-102,0 %	99,6 %
Solubility	freely soluble in water, very slightly soluble in ethanol (96 per cent)	passes test
Appearance of solution	max.BY7	<BY7
Conductivity	max.20 $\mu S/cm-1$	2,74 $\mu S/cm-1$
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 %	0,0465 %
Lead (Pb)	max.0,5 ppm	<0,5 ppm
Total germs	max.1000 CFU/g	3 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.

Kiállítva: Halásztelek, 2025.03.11.


Nagy Balázs

minőségbiztosítási vezető

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