

QUALITY CERTIFICATE

Product name: GLUCOSE MONOHYDRATE
 Quality: Ph.Eur.11.1.
 Package: 1000 g
 Formula: $C_6H_{12}O_6 \cdot H_2O$
 Rel. mol. weight: 198,17
 Lot No.: GM2059308
 Manufacturing date: 12.2023.
 Expiry date: 07.03.2027. (DMY)
 Anal. No.: 17793H59308

	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 °	+52,5 °
Assay	97,5-102,0 %	98,1 %
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.BY7	<BY7
Conductivity	max.20 $\mu S/cm-1$	4,8 $\mu S/cm-1$
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	7,5-9,5 %	8,694 %
Total germs	max.1000 CFU/g	0 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.11.1.

Kiállítva: Halásztelek, 2024.03.19.


Nagy Balázs

minőségbiztosítási vezető

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