

QUALITY CERTIFICATE

Product name: LACTOSE MONOHYDRATE
Quality: Ph.Eur.10.3.
Package: 5 kg
Formula: $C_{12}H_{22}O_{11} \cdot H_2O$
Rel. mol. weight: 360,32
Lot No.: FV2253019
Manufacturing date: 05.2022.
Expiry date: 13.05.2027. (DMY)
Anal. No.: 12728H53019

	REQUIRED	MEASURED
Appearance:	white or almost white crystalline powder	white crystalline powder
Identity (FT-IR)	identical	identical
Appearance of solution	clear (max.BY ₇)	clear, <BY ₇
Alkalinity, acidity	passes test	passes test
$[\alpha]_D^{20}$	(+54,4)-(+55,9)	+54,5
Absorbance	passes test	passes test
Heavy metals (Pb)	max.5 ppm	<5 ppm
Water (KF.)	4,5-5,5 %	5,1 %
Sulphated ash	max.0,1 %	0,02 %
Total germs	max.100 CFU/g	0 CFU/g
Escherichia coli	negative	negative
Particle size distribution (10g/2min,1500-2500Pa) <32µm	45-75 %	45-61 %
Particle size distribution (10g/2min,1500-2500Pa) <100µm	min90 %	90-98 %
Bulk density (g/cm ³):	passes test	passes test

The Product complies with the requirements of Ph.Eur.10.3.

Kiállítva: Halásztelek, 2022.09.30.

Magyar István
minőségbiztosítási vezető
helyettes

