

**QUALITY CERTIFICATE**

Product name: LACTOSE MONOHYDRATE  
Quality: Ph.Eur.11.1.  
Package: 100 g  
Formula:  $C_{12}H_{22}O_{11} \cdot H_2O$   
Rel. mol. weight: 360,32  
Lot No.: GT0462395  
Manufacturing date: 08.2024.  
Expiry date: 09.09.2027. (DMY)  
Anal. No.: 19949H62395

	<b>REQUIRED</b>	<b>MEASURED</b>
Appearance:	white or almost white crystalline powder	white crystalline powder
Identity (IR)	identical	identical
Appearance of solution	clear (max.BY <sub>7</sub> )	passes test
Alkalinity, acidity	passes test	passes test
$[\alpha]_D^{20}$	(+54,4) <sup>o</sup> -(+55,9) <sup>o</sup> °	+54,98 °
Absorbance	passes test	passes test
Water (KF.)	4,5-5,5 %	5,25 %
Sulphated ash	max.0,1 %	0,017 %
Total germs	max.100 CFU/g	<1 CFU/g
Escherichia coli	negative	negative
Particle size distribution (10g/2min,1500-2500Pa) <32µm	45-75 %	46-62 %
Particle size distribution (10g/2min,1500-2500Pa) <100µm	min90 %	92-98 %
Bulk density (g/cm <sup>3</sup> ):	passes test	passes test

**The Product complies with the requirements of Ph.Eur.11.1.**

Kiállítva: Halásztelek, 2024.09.10.

  
Nagy Balázs

minőségbiztosítási vezető

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