

**QUALITY CERTIFICATE**

Product name: PILOCARPINE HYDROCHLORIDE  
Quality: Ph.Eur.11.0.  
Package: 2 g  
Formula:  $C_{11}H_{17}ClN_2O_2$   
Rel. mol. weight: 244,72  
Lot No.: GN0759702  
Manufacturing date: 11.2023.  
Expiry date: 09.04.2027. (DMY)  
Anal. No.: 18048H59702

	<b>REQUIRED</b>	<b>MEASURED</b>
Appearance:	white or almost white crystalline powder or colourless crystals, hygroscopic	white crystalline powder higroszkópos
Identity (IR)	identical	identical
Identification test 'D'	identical	identical
Melting point	kb.203 °C	203,2 °C
Assay (dry substance)	99,0-101,0 %	99,4 %
$[\alpha]_D^{20}$	(+89)-(+93) °	+92,1 °
Appearance of solution	passes test (max. Y7)	passes test <Y7
pH	3,5-4,5	4,001
Iron (Fe)	<10 ppm	<10 ppm
Impurity A	max.1,0 %	<0,4 %
Impurity A and B	max.1,5 %	<1,5 %
Sum of other impurities	max.0,5 %	<0,5 %
Loss on drying (105 °C)	max.0,5 %	0,0376 %
Sulphated ash	max.0,1 %	0,0532 %

**The Product complies with the requirements of Ph.Eur.11.0.**

Kiállítva: Halásztelek, 2024.04.10.

  
Nagy Balázs

minőségbiztosítási vezető

**Molar Chemicals Kft.**  
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