

**QUALITY CERTIFICATE**

Product name: LIDOCAINE HYDROCHLORIDE  
Quality: Ph.Eur.11.0.  
Package: 1000 g  
Formula:  $C_{14}H_{22}N_2O \cdot HCl \cdot H_2O$   
Rel. mol. weight: 288,81  
Lot No.: GA8056938  
Manufacturing date: 11.2022.  
Expiry date: 31.10.2027. (DMY)  
Anal. No.: 14497H56938

	<b>REQUIRED</b>	<b>MEASURED</b>
Appearance:	white or almost white crystalline powder	white crystalline powder
Identity (IR)	identical	identical
Assay	99,0-101,0 %	100,2 %
Melting point	74-79 °C	76,2 °C
Solubility	freely soluble in water, soluble in ethanol (96 per cent)	freely soluble in water, soluble in ethanol (96 per cent)
Appearance of solution	clearly and colourless	clearly and colourless
pH	4,0-5,5	4,620
Related substances HPLC (total impurities)	max 0,5 %	0,02 %
2,6-Dimethylaniline	max 0,01 %	0,0007 %
Unspecified impurities	max 0,1 %	0,006 %
Heavy metals (Pb)	max.5 ppm	<5 ppm
Water	5,5- 7,0 %	6,7 %
Sulphated ash	max 0,1 %	0,05 %

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

Kiállítva: Halásztelek, 2023.04.12.

  
Nagy Balázs

minőségbiztosítási vezető

**Molar Chemicals Kft.**  
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