

**QUALITY CERTIFICATE**

Product name: PROCAINE HYDROCHLORIDE  
Quality: Ph.Eur.11.0.  
Package: 10 g  
Formula:  $C_{13}H_{20}N_2O_2 \cdot HCl$   
Rel. mol. weight: 272,77  
Lot No.: GD6058600  
Manufacturing date: 06.2022.  
Expiry date: 05.06.2026. (DMY)  
Anal. No.: 15286H58600

	<b>REQUIRED</b>	<b>MEASURED</b>
Appearance:	white or almost white crystalline powder or colourless crystals	white crystalline powder
Identity (IR)	identical	identical
Identification test 'D'	identical	identical
Identification test 'E'	identical	identical
Identity (melting point)	154-158 °C	156,8 °C
Assay	99,0-101,0 %	99,7 %
Appearance of solution	passes test	passes test
pH	5,0-6,5	5,655
Related substances (TLC)	passes test	passes test
Heavy metals (Pb)	max.5 ppm	<5 ppm
Loss on drying (105 °C)	max.0,5 %	0,05 %
Sulphated ash	max.0,1 %	0,05 %

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

Kiállítva: Halásztelek, 2023.07.06.

  
Nagy Balázs

minőségbiztosítási vezető

**Molar Chemicals Kft.**  
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