

CERTIFICATE OF ANALYSIS**DATE: 27.02.23**

Product name: Phenibut			
Batch No.	150223	Batch Quantity	100 kg
CAS No.	1078-21-3	Molecular Formula	C ₁₀ H ₁₃ NO ₂ · HCl
Mfg. Date	02/2023	Exp. Date	11/2028

No.	Test	Specification	Result
1	Description	White crystalline powder	White crystalline powder
2	Assay	Not less than 99,0 (calculated on the dried product)	99,5 %
3	Identification IR UV	The IR spectrum of the product according to the position of the absorption bands should concordant to the standard IR spectrum of Phenibut Qualitative reaction with ninhydrin solution. The colour of the solution in the purple color	conforms conforms
4	Solubility	Easily soluble in water, soluble in Ethanol 96% and practically insoluble in acetone.	conforms
5	Melting temperature	194 °C to 202 °C	201 °C
6	pH	2,2 to 2,7 (2,5 % solution in water)	2,4
7	Impurities	Not more than 0,5 %	Less than 0,5 %
8	Storage	in the light protected place at a temperature no higher than 30°C	

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