



LIFTMODE
47 W. Polk St. STE 100-241
Chicago, IL 60605

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CERTIFICATE OF ANALYSIS

Phenibut HCL (β-phenyl-γ-aminobutyric acid HCl)

Material Lot #: 20180104 Manufacture Date: 01/28/2019
Country of Origin: China Retesting Date: 03/28/2021

Analysis	Claim	Result
Phenibut HCL	≥99.5%	99.78%

Test	Specification	Result
Appearance	Almost White Crystal	Complies
Related Substances	≤0.1	Complies
Clarity of Solution	1*	Complies
Iron %	≤0.005%	Complies
Melting Point	194.0-202.0°C	200.0-201.4°C
pH	2.3-2.7	2.50
Loss on Drying	≤0.5%	0.09%
Residue on Ignition	≤0.1%	0.04%
Mesh Size	15-30 Mesh	Conforms
Heavy Metals (µg/g)	≤10 ppm	Conforms

Phenibut HCl should be stored at or below room temperature in a tightly sealed durable container.
Phenibut HCl should be protected from excess heat, direct sunlight, excess humidity and moisture.
Phenibut HCl has a stable shelf life of 3 years from the date of testing when properly stored.



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Product Name	Phenibut HCL	Product Lot Number	20180104
Report Date	03/29/18	Laboratory Number	10009

Description	Method	Result
Identification	Proton NMR	Conforms to structure
Assay	CA-073 (HPLC)	99.5%
Lead	ICP-MS USP <730>	0.013 ppm
Arsenic	ICP-MS USP <730>	<0.001 ppm
Cadmium	ICP-MS USP <730>	0.011 ppm
Mercury	ICP-MS USP <730>	<0.001 ppm

Collin Thomas
Laboratory Manager

03/29/2018 3/29/18
Date

1H NMR of Phenibut HCl
in DMSO
Lot #10,009
Colmaric Analytical
400 MHz
03-23-18

Current Data Parameters
NAME: Nov23-2018-phenibut
EXPNO: 1
PROCNO: 1
F2 - Acquisition Parameters
Date_ : 20180323
Time : 10.45
INSTRUM : spect
PROBHD : 5 mm F400 1H-
PULPROG : zg30
TD : 32768
SOLVENT : DMSO
NS : 32
DS : 4
SWH : 5209.333 Hz
FIDRES : 0.138844 Hz
AQ : 1.1437281 sec
RG : 31.5
SW : 96.500 usec
DE : 25.61 usec
TE : 298.0 K
D1 : 1.9600000 sec
TD0 : 1
----- CHANNEL f1 -----
NUC1 : 1H
P1 : 11.18 usec
PL1 : -2.50 dB
PULSE : 18.35849398 W
SFO1 : 400.1320091 MHz
F2 - Processing parameters
SI : 32768
SF : 400.1320091 MHz
WDW : EM

