



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

liftmode@liftmode.com
www.liftmode.com

CERTIFICATE OF ANALYSIS

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

Material Lot #: 180618 Manufacture Date: 06/18/2018
Country of Origin: China Expiration Date: 07/30/2021

Analysis	Claim	Result
Phenibut HCL	≥99.5%	99.39%

Test	Specification	Result
Appearance	Almost White Crystal	Complies
Melting Point	194.0-202.0°C	197.4-198.8°C
Residue on Ignition	≤0.1%	0.05%
Loss on Drying	≤0.5%	0.26%
pH Value	2.3-2.7	2.47
Sulfate	≤0.05%	Complies
Heavy Metals (µg/g)	≤10 ppm	Complies
Iron	<60 ppm	Complies
Lead	<1 ppm	Complies
Arsenic	<1 ppm	Complies
Cadmium	<1 ppm	Complies
Mercury	<1 ppm	Complies
Total Plate Count	<1000 cfu/g	85 cfu/g
Yeast & Mold	<100 cfu/g	25 cfu/g
E. Coli	Complies	Complies
Samlonella	Complies	Complies

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 manufacture when properly stored.



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Product Name	Phenibut HCL	Product Lot Number	180618
Report Date	07/31/2018	Laboratory Number	10622

Description	Method	Result
Identification	1H NMR	Conforms
Assay	HPLC	99.2 %
Lead	ICP-MS	0.025 ppm
Arsenic	ICP-MS	<0.001 ppm
Cadmium	ICP-MS	0.002 ppm
Mercury	ICP-MS	0.118 ppm

Michael Robil
Michael Robil
QA Auditor

07/31/18
07/31/2018
Date

1H NMR of Phenibut HCl
in DMSO
Lot #10622
Colmaric Analytical
400 MHz
07-26-18

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Current Data Parameters
NAME      Jul16-2018-colmaric
EXPNO     2
PROCNO    1

F2 - Acquisition Parameters
Date_     20180726
Time      14.19
INSTRUM   spect
PROBHD    5 mm PABBO BB-
PULPROG   zgpg30
TD        32768
SOLVENT   DMSO
NS        32
DS        0
SWH        5206.333 Hz
FIDRES    0.138964 Hz
AQ         3.1457281 sec
RG         90.5
CW         96.000 usec
DE         25.41 usec
TE         296.2 K
D1         1.5000000 sec
TDO        1

----- CHANNEL f1 -----
NUC1       1H
P1         11.18 usec
PL1        -2.50 dB
PL12       18.35859358 dB
RF01       400.1320007 MHz

F2 - Processing parameters
SI         32768
SF         400.1300000 MHz
WDW        EM
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