



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 #: 180503 Manufacture Date: 05/03/2018
Country of Origin: China Expiration Date: 08/12/2021

Analysis	Claim	Result
Phenibut HCL	≥99.0%	99.39%

Test	Specification	Result
Appearance	Almost White Crystal	Complies
Melting Point	194.0-202.0°C	197.6-198.8°C
Residue on Ignition	≤0.1%	0.05%
Loss on Drying	≤0.5%	0.25%
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.



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

liftmode@liftmode.com
www.liftmode.com

CERTIFICATE OF ANALYSIS

Product Name	Phenibut HCL	Product Lot Number	180503
Report Date	08/13/2018	Laboratory Number	10670

Description	Method	Result
Assay	HPLC	99.8 %
Lead	ICP-MS	0.009 ppm
Arsenic	ICP-MS	<0.001 ppm
Cadmium	ICP-MS	<0.001 ppm
Mercury	ICP-MS	0.062 ppm
Identification	1H-NMR	Conforms

Michael Robil
Michael Robil
QA Auditor

08/13/18
08/13/2018
Date

1H NMR of Phenibut HCl
in DMSO
Lot # 10670
Colmaric Analytical
400 MHz
8-8-18

```
Current Data Parameters
NAME Aug18-2018-mlnlsaric
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20180808
Time 16.58
INSTRUM spect
PROBHD 5 mm F4BBO BB-
PULPROG zg30
TD 32768
SOLVENT DMSO
NS 12
DS 8
SWH 5200.313 Hz
FIDRES 0.118944 Hz
AQ 3.1457281 sec
RG 64
DM 36.000 usec
DE 25.61 usec
TE 298.2 K
D1 1.56000000 sec
TDC 1

----- CHANNEL f1 -----
NUC1 1H
P1 11.28 usec
PL1 -2.50 dB
PL12 18.3586939 dB
SFO1 400.1320007 MHz

F2 - Processing parameters
SI 32768
SF 400.1300000 MHz
WDW EM
```

