



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 #: 181231 Manufacture Date: 12/31/2018
Country of Origin: China Expiration Date: 12/30/2021

Analysis	Claim	Result
Phenibut HCL	≥99%	99.35%

Test	Specification	Result
Appearance	Almost White Powder	Complies
Melting Point	194.0-202.0°C	196.4-198.6°C
Residue on Ignition	≤0.1%	0.05%
Loss on Drying	≤0.5%	0.32%
pH Value	2.3-2.7	2.41
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	20 cfu/g
E. Coli	Complies	Complies
Salmonella	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.




812 Meadow Lark Lane, Goodlettsville, TN 37072
Telephone: 615-239-8604

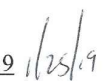
Certificate of Analysis

Synaptent LLC
47 W Polk Street, 100-241
Chicago, IL 60654

Product Name	Phenibut HCL	Product Lot Number	181231
Report Date	01/25/2019	Laboratory Number	11371

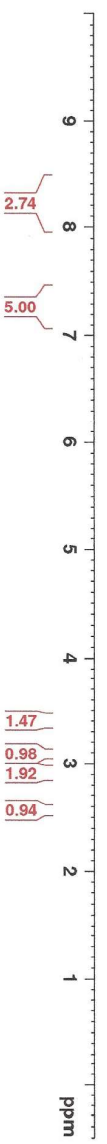
Description	Method	Result
Identification	Proton NMR	Conforms to structure
Assay	HPLC	99.7%
Lead	ICP-MS USP <730>	0.023 ppm
Arsenic	ICP-MS USP <730>	<0.001 ppm
Cadmium	ICP-MS USP <730>	0.007 ppm
Mercury	ICP-MS USP <730>	0.001 ppm

Collin Thomas 
Laboratory Manager

01/25/2019 
Date

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¹H NMR of Phenibut HCl
 In DMSO
 Lot #1371
 Colmaric Analytical
 400 MHz
 01-23-19



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Current Data Parameters
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AQ         1.500000
RG          32
WDW         EM
SSB         0
LB          3.0
GB          0
PC          1.000000
PRINPROG   zgpg30
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PULPROG    zgpg30
TD         65536
SFO        400.130000
AQ         1.500000
RG          32
WDW         EM
SSB         0
LB          3.0
GB          0
PC          1.000000
PRINPROG   zgpg30
F2 - Processing parameters
=====
Date_      2019112
Time       11:56
INSTRUM    spect
PROBHD     5 mm BBOH-2
PULPROG    zgpg30
TD         65536
SFO        400.130000
AQ         1.500000
RG          32
WDW         EM
SSB         0
LB          3.0
GB          0
PC          1.000000
PRINPROG   zgpg30
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PL1         -1.50
SFO1        400.130000
=====
  
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