



LIFTMODE
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CERTIFICATE OF ANALYSIS

Phenibut HCL

(β-phenyl-γ-aminobutyric acid HCl)

Material Lot #: 181228 Manufacture Date: 12/28/2018
Country of Origin: China Retesting Date: 12/27/2021

Analysis	Claim	Result
Phenibut HCL	≥99.5%	99.37% <small>* HPLC has a margin of error of +/- 1%</small>

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	196.7-188.8°C
pH	2.3-2.7	2.44
Residue on Ignition	≤0.1%	0.06%
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 manufacture when properly stored.



812 Meadow Lark Lane, Goodlettsville, TN 37072
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Certificate of Analysis

Synaptent LLC

Product Name	Phenibut HCL	Product Lot Number	181228
Report Date	01/25/2019	Laboratory Number	11369

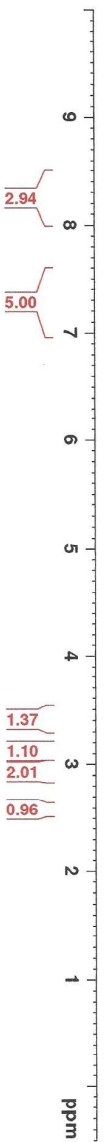
Description	Method	Result
Identification	Proton NMR	Conforms to structure
Assay	HPLC	99.2%
Lead	ICP-MS USP <730>	0.037 ppm
Arsenic	ICP-MS USP <730>	0.116 ppm
Cadmium	ICP-MS USP <730>	0.009 ppm
Mercury	ICP-MS USP <730>	0.001 ppm

Collin Thomas *Collin Thomas*
Laboratory Manager

01/25/2019 *1/25/19*
Date

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¹H NMR of Phenbut HCl
 In DMSO
 Lot #11369
 Colmaric Analytical
 400 MHz
 01-23-19



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Current Data Parameters
EXPNO 1
PROCNO 1
F2 - Acquisition Parameters
Time 20.13.03
INSTRUM 5 mm BBO
PULPROG zgpg30
SOLVENT DMSO
NS 32
SH 32
FIDRES 0.150000 Hz
AQ 0.110000 Hz
RG 256
DE 25.4 ues
TE 298.2 K
DQ 1.500000
TD 65536
===== CHANNEL f1 =====
NUC1 1H
P1 11.00 ues
PL1 -2.50 dB
FID 16.23466598 KHz
SFO 400.14640000 MHz
P2 - Processing parameters
SI - Processing parameters
SF 400.1300000 MHz
AQ 0.110000
  
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