



LIFTMODE
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CERTIFICATE OF ANALYSIS

Phenibut HCL

(*β-phenyl-γ-aminobutyric acid hydrochloride*)

Material Lot #: 20200414 Manufacturer Analysis Date: 04/14/2020
Country of Origin: China Analysis Date: 06/06/2020
Retesting Date: 06/06/2023

Analysis	Claim	Result
Phenibut HCL	≥99.0%	100.4%

Test	Specification	Result
H-NMR ID	Conforms	Conforms
HPLC Assay	≥99.0%	100.4%
Heavy Metals	<2ppm	Conforms
Arsenic	≤1 ppm	0.004 ppm
Lead	≤1 ppm	0.048 ppm
Cadmium	≤1 ppm	0.001 ppm
Mercury	≤0.1 ppm	0.007 ppm

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 retesting period of 3 years from the date of analysis when properly stored.



Certificate of Analysis


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

Sample Collected By: Client

Product Name	Phenibut HCL	Product Lot Number	20200414
Report Date	06/06/20	Laboratory Number	20050317

Description	Method	Result
Identification	H-NMR	Conforms
Assay	HPLC	100.4%
Lead	ICP-MS	0.048 ppm
Arsenic	ICP-MS	0.004 ppm
Cadmium	ICP-MS	0.001 ppm
Mercury	ICP-MS	0.007 ppm

Collin Thomas 
Laboratory Manager

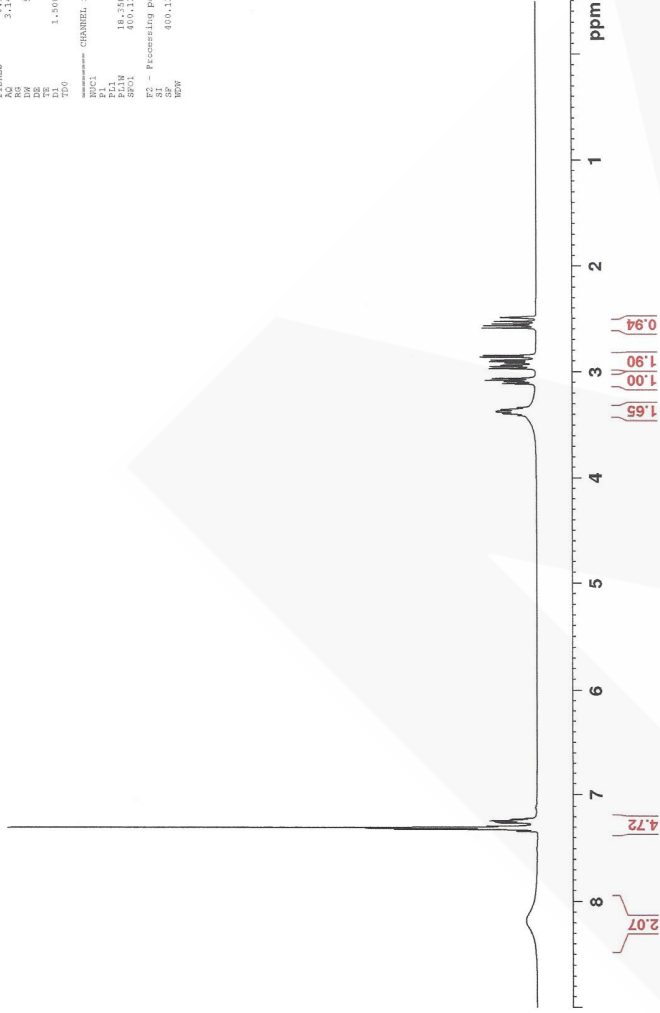
06/06/2020 
Date

The result(s) stated in this report is only for the sample submitted. This report may not be reproduced in whole or in part, nor may any reference be made to the work, the result, or the company in any news release, public announcements or advertising without our prior written consent.

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Tel: 615-239-8604

¹H NMR of Phenibut HCl
 in DMSO
 Job# 20050817
 Colometric Analytical
 4/11/20
 06-03-20

Current Data Parameters
 NAME: 20050817-20050817.ms
 PROCNO: 2
 Date_ Acquisition Parameters
 Date_: 20200603
 Time_: 10:00:00
 INSTRUM: spect
 PROBD: 5 mm PABD-BB-
 TURBO: 32768
 NS: 1024
 DS: 4
 AS: 32
 OR: 5208.830 Hz
 FIDRES: 0.1138946 Hz
 AQ: 3.1154916 sec
 RG: 49.15
 DQ: 25.00000000
 SFO: 400.1320007 MHz
 TE: 298.15 K
 T2: 1.560500000 sec
 T20: 1
 CHANNEL: CHANDEL F1
 =====
 NUC1: ¹H 1H
 PUL1: zgpg30
 PC1: 18.00
 PRN1: 2.50 dB
 SFO1: 400.1320007 MHz
 =====
 F2 - F2Acquisition Parameters
 SI: 32768
 SF: 400.1320007 MHz
 NS: 1024
 DS: 4
 AS: 32
 OR: 5208.830 Hz
 FIDRES: 0.1138946 Hz
 AQ: 3.1154916 sec
 RG: 49.15
 DQ: 25.00000000
 SFO: 400.1320007 MHz
 TE: 298.15 K
 T2: 1.560500000 sec
 T20: 1
 CHANNEL: CHANDEL F1
 =====
 NUC1: ¹H 1H
 PUL1: zgpg30
 PC1: 18.00
 PRN1: 2.50 dB
 SFO1: 400.1320007 MHz
 =====



Main Benefits

- Phenibut is a nootropic and calming β-phenyl derivative of GABA, the main inhibitory neurotransmitter. Phenibut acts as a GABA-B agonist and Ca^{2+} channel blocker.
- Phenibut HCl is the stable hydrochloride salt of this nootropic compound
- Benefits of Phenibut include calming, mood lifting, sociability enhancing and sensory enhancing effects, as well as promotion of deep, restful sleep.

Main Cautions

- **Phenibut tolerance builds quickly** and it should not be used more than twice per week to mitigate the potential for adverse effects.
- Do not exceed the recommended serving size. Mixing Phenibut with CNS depressants may cause dizziness, vertigo, nausea and lethargy.
- Overuse of Phenibut HCl can cause physical dependence and withdrawal. Symptoms of withdrawal may include anxiety, depression, and insomnia.

Usage Tips

- A 0.625cc measuring spoon is included. One level spoon contains one serving of approximately **500mg Phenibut HCl**. As a nootropic compound, take 1-2 servings 1-2 times per day. Start at the lower suggested quantity to assess response.
- The negative effects of Phenibut HCl are dependent on the amount taken, so use of a scale with 10mg/0.01g accuracy or better is highly recommended.
- The benefits of Phenibut HCl are most effective when they are supported by a healthy diet and plenty of exercise.

Phenibut Hydrochloride

