

LIFTMODE

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CERTIFICATE OF ANALYSIS

Phenibut HCL

(β-phenyl-γ-aminobutyric acid hydrochloride)

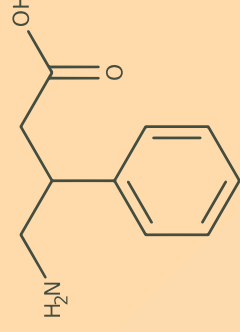
Material Lot #: 20200607
Country of Origin: China
Manufacturer Analysis Date: 06/11/2020
Analysis Date: 08/06/2020
Retesting Date: 08/06/2023

Analysis	Claim	Result
Phenibut HCL	≥99%	100.0%

Test	Specification	Result
HNMR ID	Conforms	Conforms
HPLC Assay	≥99%	100.0%
ICP-MS		
Arsenic	≤1.5 ppm	<0.001 ppm
Lead	≤0.5 ppm	0.054 ppm
Cadmium	≤0.5 ppm	<0.001 ppm
Mercury	≤0.5 ppm	0.016 ppm
Total Aerobic Count	<1000 cfu/g	Conforms
Yeast & Mold	<100 cfu/g	Conforms
Coliform	<10 cfu/g	Conforms
E.coli	Negative	Conforms
Salmonella	Negative	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 retesting period of 3 years from the date of analysis when properly stored.

Phenibut Hydrochloride



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 α2B subunit containing voltage-dependent Ca²⁺ channel blocker.
- Phenibut HCL is the stable hydrochloride salt of this nootropic compound
- Benefits of Phenibut include calming, mood lifting, sociability enhancing, 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 scoop is included. One level scoop 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.
- This nootropic compound is not intended to treat, diagnose, prevent or cure any diseases. Consult your healthcare provider before use if you have a medical condition or if you are taking any prescription medications.
- Anecdotal sources suggest that it's relatively lower risk for an adult of average build to stack Phenibut HCL with other nootropic compounds, however **negative effects such as tolerance and withdrawal vary from person to person and avoiding frequent use or large doses without extended breaks is highly recommended.**



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	20200607
Report Date	08/06/20	Laboratory Number	20070736

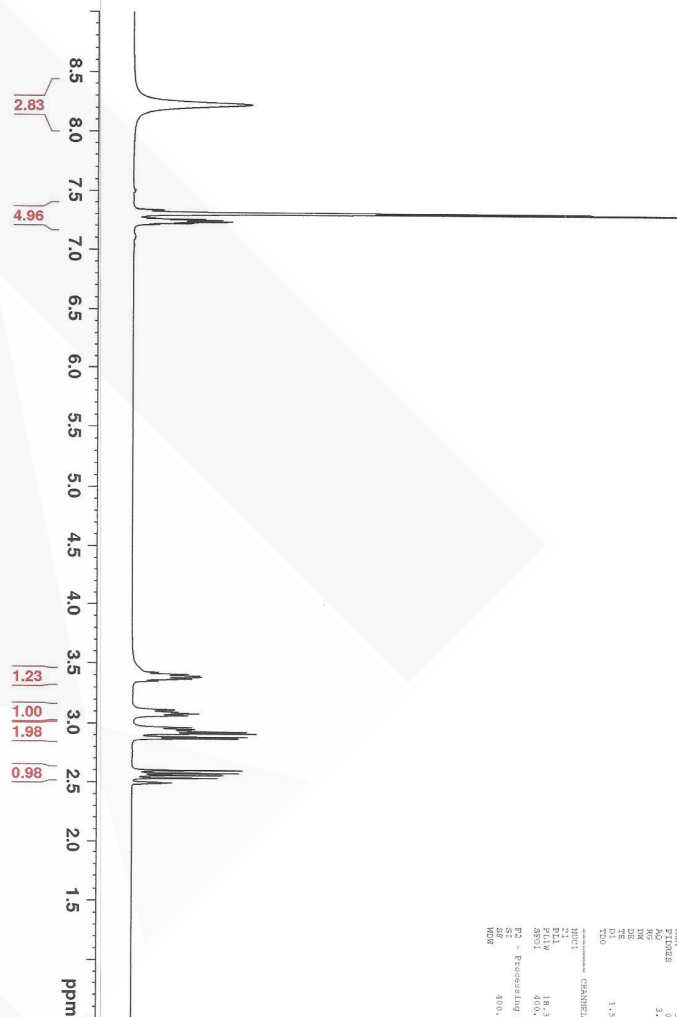
Description	Method	Result
Identification	H-NMR	Conforms
Assay	HPLC	100.0%
Lead	ICP-MS	0.054 ppm
Arsenic	ICP-MS	<0.001 ppm
Cadmium	ICP-MS	<0.001 ppm
Mercury	ICP-MS	0.016 ppm
Total Aerobic Count	Biolumix	<1,000 cfu/g
Yeast & Mold	Biolumix	<100 cfu/g
E. Coli	Biolumix	Absent
Coliform	Biolumix	<10 cfu/g
Salmonella	Biolumix	Absent

Collin Thomas *CT*
 Laboratory Manager

08/06/2020 *8/6/20*
 Date

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NAME: Data Parameters
 EXPNO: 1
 PROCNO: 1
 F2 - Acquisition Parameters
 Date_ Time: 10.17
 Time: 10.17
 PROBHD: 5 mm PABBO SBC-
 PULPROG: zgpg30
 TD: 32768
 SFO: 400.150000
 AQ: 1.20000000
 RG: 655.000000
 DSI: 1.00000000
 DS: 1.00000000
 DE: 1.00000000
 PRIME: 0.15000000 Hz
 No: 0.15000000 Hz
 FIDRES: 0.15000000 Hz
 TM: 96.000000 sec
 TE: 298.2 K
 DQ: 2.00000000 sec
 T2: 1.50000000 sec
 T2RHO: 0.50000000
 CHANNEL: f1
 NUCL1: 1H
 P1: 12.00000000 sec
 PL1: -2.00 dB
 SFO: 400.15000000 MHz
 F2 - Processing parameters
 SI: 32768
 SF: 400.15000000 MHz
 RG: 655

1H NMR of Phenibut HCl
 in DMSO
 lot # 20070736
 Colmaric Analytical
 400 MHz
 08-03-20