

LIFTMODE

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CERTIFICATE OF ANALYSIS

Phenibut HCL

(β-phenyl-γ-aminobutyric acid hydrochloride)

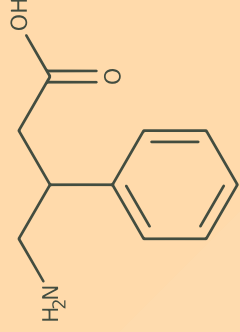
Material Lot #: 20200606
Country of Origin: China

Analysis Date: 08/06/2020
Retesting Date: 08/06/2023

Analysis	Claim	Result
Phenibut HCL	≥99%	99.5%
Test	Specification	Result
HNMR ID	Conforms	Conforms
HPLC Assay	≥99%	99.5%
ICP-MS		
Arsenic	≤1.5 ppm	0.006 ppm
Lead	≤0.5 ppm	0.056 ppm
Cadmium	≤0.5 ppm	0.019 ppm
Mercury	≤0.5 ppm	0.005 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.**

1H NMR of Phenibut HCl
in DMSO
lot # 20070733
Colmaric Analytical
400 MHz
08-03-20

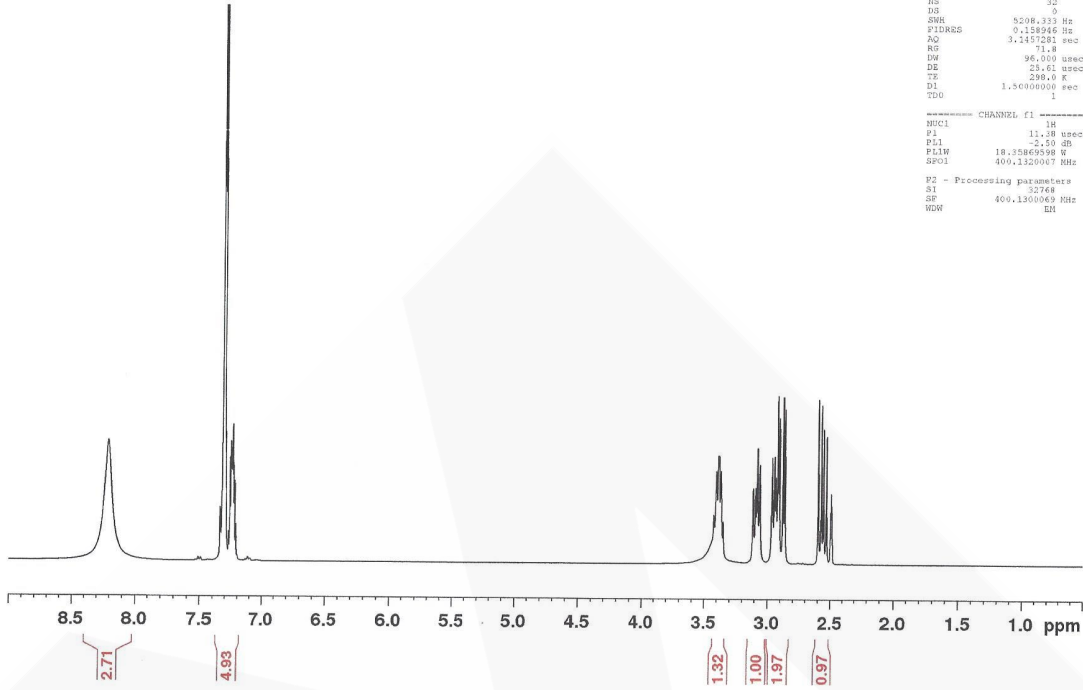
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Current Data Parameters
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PROCNO    1

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PULPROG   zg30
TD         32768
SOLVENT   DMSO
NS         32
DS         0
SWH        5206.313 Hz
FREQZ     400.130069
AQ         3.1457281 sec
RG         71.8
DW         96.000 usec
DE         23.61 usec
TE         300.0 K
D1         1.5000000 sec
TSD        1

----- CHANNEL f1 -----
NUC1       1H
P1         11.28 usec
PL1        -2.50 dB
PL12       18.35869598 dB
SFO1       400.1320047 MHz

F2 - Processing parameters
SI         32768
SF         400.130069 MHz
WDW        EM
  
```



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	20200606
Report Date	08/06/20	Laboratory Number	20070733

Description	Method	Result
Identification	H-NMR	Conforms
Assay	HPLC	99.5%
Lead	ICP-MS	0.056 ppm
Arsenic	ICP-MS	0.006 ppm
Cadmium	ICP-MS	0.019 ppm
Mercury	ICP-MS	0.005 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
Laboratory Manager

08/06/2020 8/16/20
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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