



LIFTMODE  
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## CERTIFICATE OF ANALYSIS

### Phenibut HCL

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

Material Lot #: 20191205      Manufacturer Analysis Date: 12/05/2019  
Country of Origin: China      Analysis Date: 06/06/2020  
Retesting Date: 06/06/2023

Analysis	Claim	Result
Phenibut HCL	≥99.0%	99.7%

Test	Specification	Result
H-NMR ID	Conforms	Conforms
HPLC Assay	≥99.0%	99.7%
Heavy Metals	<2ppm	Conforms
Arsenic	≤1 ppm	0.014 ppm
Lead	≤1 ppm	0.042 ppm
Cadmium	≤1 ppm	<0.001 ppm
Mercury	≤0.1 ppm	<0.001 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	20191205
Report Date	06/06/20	Laboratory Number	20050320

Description	Method	Result
Identification	H-NMR	Conforms
Assay	HPLC	99.7%
Lead	ICP-MS	0.042 ppm
Arsenic	ICP-MS	0.014 ppm
Cadmium	ICP-MS	<0.001 ppm
Mercury	ICP-MS	<0.001 ppm

Collin Thomas   
Laboratory Manager

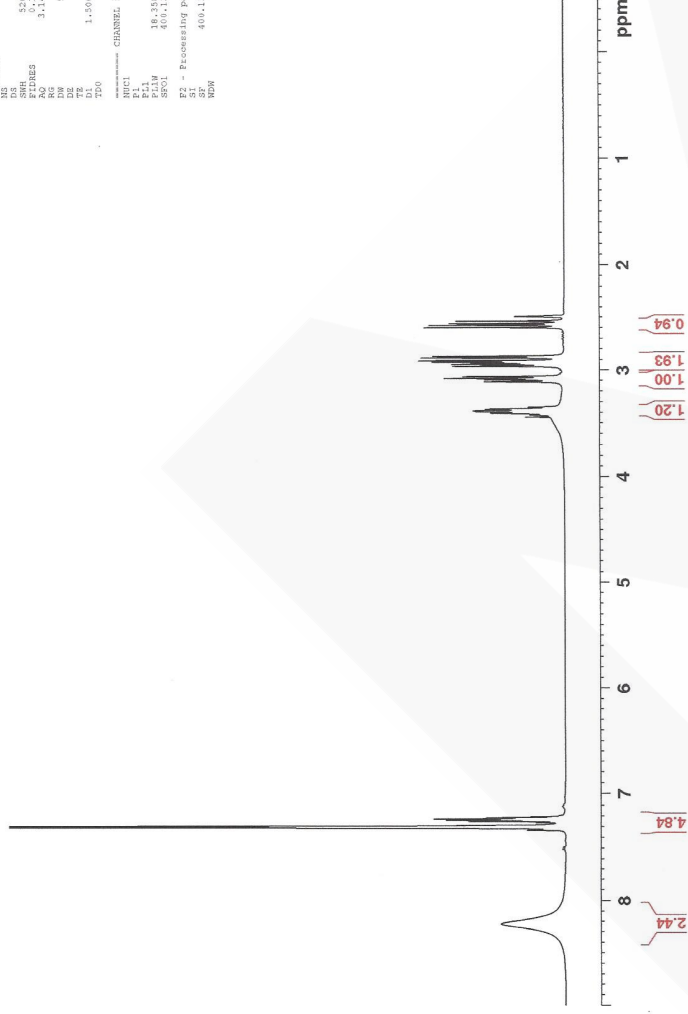
06/06/2020   
Date

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.

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

**<sup>1</sup>H NMR of Phenibut HCl**  
 In DMSO  
 Lot# 20050320  
 Colimatic Analytical  
 400 MHz  
 06-03-20

Current Data Parameters  
 NAME: Jnm05-2005-0320-colimatic  
 PROCNO: 1  
 F2 - Acquisition Parameters  
 Date\_ Time: 20200603 10:52:03  
 INSTRUM: spect  
 PROBHD: 5 mm PABD07 BE-  
 TUNING: 400.1320007 MHz  
 FIDRES: 32768  
 AQ: 0.52  
 SOLVENT: DMSO  
 ORG: 5008.333 Hz  
 F1FRES: 0.1538946 Hz  
 RG: 31457.97 sec  
 ACQ: 2.5000000 sec  
 DE: 25.0000000 sec  
 F2: 298.0 K  
 T2: 1.50000000 sec  
 T20: 1  
 CHANNEL: f1  
 =====  
 NUC1: <sup>1</sup>H  
 P1: 11.00 usec  
 PL1: 0.00 dB  
 FFC: 0.00000000 sec  
 SFO1: 400.1320007 MHz  
 =====  
 F2 - Processing parameters  
 SI: 32768  
 SF: 400.1320007 MHz  
 NDW: 800



### 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 GABA<sub>A</sub> subunit containing voltage-dependent Ca<sup>2+</sup> 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.

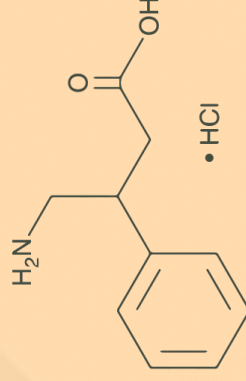
### Main Cautions

- **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 0.025cc 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



**negative effects such as tolerance and withdrawal vary from person to person and extended breaks is highly recommended.**