LIFTMODE

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CERTIFICATE OF ANALYSIS

Phenibut HCL

(β-Phenyl-γ-aminobutyric acid hydrochloride)

Material Lot #: 20200704
Country of Origin: China

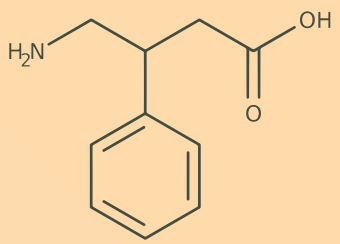
Analysis Date: 09/15/2020
Retesting Date: 09/15/2023

Analysis	Claim	Result
Phenibut HCL	≥99%	101.0%

Test	Specification	Result
HNMR ID	Conforms	Conforms
HPLC Assay	≥99%	101.0%
ICP-MS		
Arsenic	≤1.5 ppm	0.004 ppm
Lead	≤0.5 ppm	0.070 ppm
Cadmium	≤0.5 ppm	<0.001 ppm
Mercury	≤0.5 ppm	0.003 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 α2δ 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 scoops 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.**

Colmaric Analyticals, LLC

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	20200704
Report Date	09/15/20	Laboratory Number	20080938

Description	Method	Specification	Results
Identification	H-NMR	Conforms	Conforms
Assay	HPLC	NLT 99%	101.0%
Lead	ICP-MS	<1.5 ppm	0.070 ppm
Arsenic	ICP-MS	<0.5 ppm	0.004 ppm
Cadmium	ICP-MS	<0.5 ppm	<0.001 ppm
Mercury	ICP-MS	<0.5 ppm	0.003 ppm
Total Aerobic Count	Biolumix	<1, 000 cfu/g	<1, 000 cfu/g
Yeast & Mold	Biolumix	<100 cfu/g	<100 cfu/g
E. Coli	Biolumix	Absent	Absent
Coliform	Biolumix	<10 cfu/g	<10 cfu/g
Salmonella	Biolumix	Absent	Absent

Collin Thomas
Laboratory Manager

09/15/2020
Date

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