



LIFTMODE
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CERTIFICATE OF ANALYSIS

Phenibut Free Amino Acid (*β-phenyl-γ-aminobutyric acid*)

Material Lot #: 20191001
Country of Origin: China

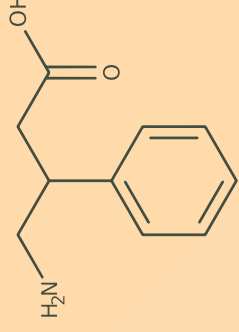
Manufacturer: Analysis Date: 10/01/2019
Analysis Date: 11/08/2019
Retesting Date: 11/08/2022

Analysis	Claim	Result
Phenibut FAA	≥99%	99.3%

Test	Specification	Result
H-NMR ID	Conforms	Conforms
HPLC Assay	≥99%	99.3%
Arsenic	≤1.5 ppm	<0.0001 ppm
Lead	≤0.5 ppm	0.072 ppm
Cadmium	≤0.5 ppm	0.013 ppm
Mercury	≤0.5 ppm	0.017 ppm
Total Aerobic Count	<100 cfu/g	Conforms
Yeast & Mold	<100 cfu/g	Conforms
E.coli	Negative	Conforms
Salmonella	Negative	Conforms
Coliform	<10 cfu/g	Conforms

Phenibut FAA should be stored at or below room temperature in a tightly sealed durable container. Phenibut FAA should be protected from excess heat, direct sunlight, excess humidity, and moisture. Phenibut FAA has a retesting period of 3 years from the date of analysis when properly stored.

Phenibut Free Amino Acid



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 Free Amino Acid is the hydrophobic nonionic form of this nootropic compound
- Benefits of Phenibut include calming, mood lifting, sociability enhancing, sensory enhancing effects, as well as promotion of deep, restful sleep.

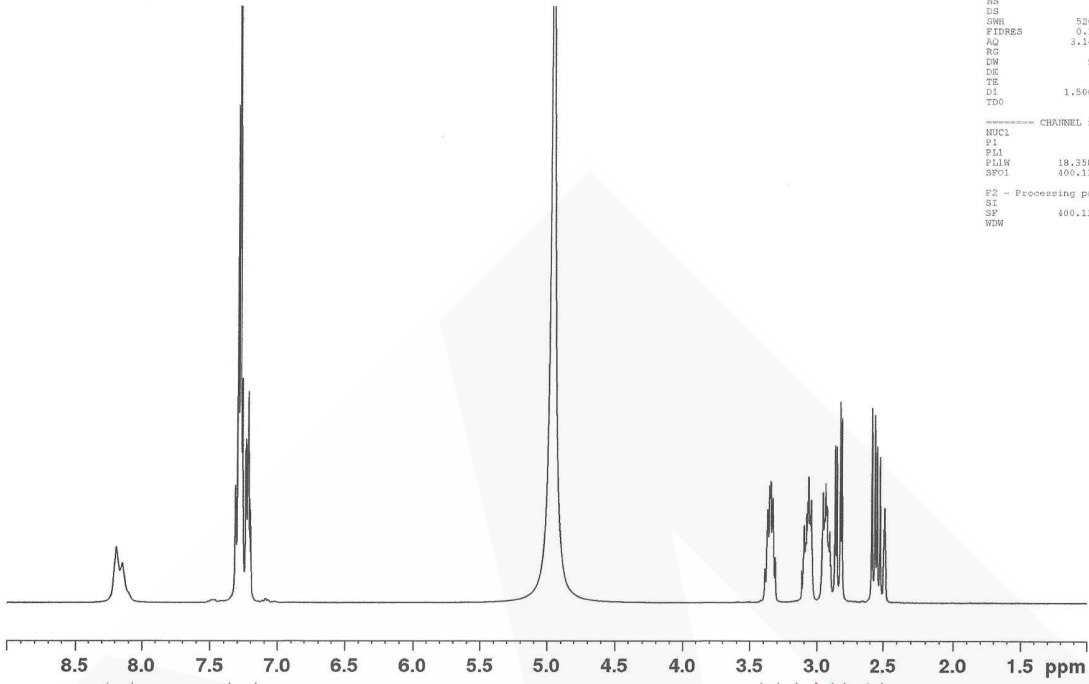
Main Cautions

- 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 FAA can cause physical dependence and withdrawal. Symptoms of withdrawal may include anxiety, depression, and insomnia.

Usage Tips

- A 0.625cc measuring scoop is included. Two level scoops contains one serving of approximately **500mg Phenibut FAA**. 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 FAA 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 FAA 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 FAA with other nootropic compounds, however **negative effects such as tolerance and withdrawal frequent use or large doses without extended breaks is highly recommended.**

1H NMR of phenibut FAA
in DMSO-d6
Lot #13087
Colmaric Analytical
400 MHz
11-1-19



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Current Data Parameters
NAME      Nov01-2019-colmaric
EXPNO    2
PROCNO    1

F2 - Acquisition Parameters
Date_    20191101
Time     17:30
INSTRUM  spect
PROBHD   5 mm PABBO BB-
PULPROG  zg30
TD        32768
SOLVENT  DMSO
NS        32
DS        0
SWH       5208.333 Hz
FIDRES    0.158946 Hz
AQ        3.1457281 sec
RG        64
DW        96.000 usec
DE        25.61 usec
TE        298.0 K
D1        1.50090000 sec
TD0       1

===== CHANNEL f1 =====
NUC1      1H
P1        11.38 usec
PL1       -2.50 dB
PL12      18.35869598 W
SFO1      400.1320007 MHz

F2 - Processing parameters
SI        32768
SF        400.130069 MHz
WDW       EM
  
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GA
Colmaric Analyticals, LLC

8112 Meadow Lark Lane, Goodlettsville, TN 37072
Telephone: 615-239-8604

Certificate of Analysis

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

Product Name	Phenibut FAA	Product Lot Number	20191001
Report Date	11/08/19	Laboratory Number	13087

Description	Method	Result
Identification	H-NMR	Conforms to structure
Assay	HPLC	99.3%
Lead	ICP-MS USP <730>	0.072 ppm
Arsenic	ICP-MS USP <730>	<0.0001 ppm
Cadmium	ICP-MS USP <730>	0.013 ppm
Mercury	ICP-MS USP <730>	0.017 ppm
Total Aerobic Count	Bilumix	<100 cfu/g
Yeast and mold	Bilumix	<10 cfu/g
E. Coli	Bilumix	<10 cfu/g
Coliform	Bilumix	<10 cfu/g
Salmonella	Bilumix	Negative

Collin Thomas *CT*
Laboratory Manager

11/08/2019 11:18/19
Date

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