



Colmaric Analyticals, LLC

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Telephone: 615-239-8604

Certificate of Analysis

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

Product Name	GABA	Product Lot Number	20171211
Report Date	11/16/2018	Laboratory Number	11115
Description	Method	Result	
Identification	1H NMR	Conforms	
Assay	HPLC	101.0 %	
Lead	ICP-MS	0.066 ppm	
Arsenic	ICP-MS	<0.001 ppm	
Cadmium	ICP-MS	0.010 ppm	
Mercury	ICP-MS	0.021 ppm	
Total Aerobic Count	Biolumix	<100 CFU/g	
Yeast and Mold	Biolumix	<100 CFU/g	
E. Coli	Biolumix	Absent	
Coliform	Biolumix	<10 CFU/g	
Salmonella	Biolumix	Absent	

Michael Robil
Michael Robil
QA Auditor

11/16/18
11/16/2018
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.

Main Benefits

- As a natural hormone and neurotransmitter, GABA's role is to reduce signals from the Central Nervous System, resulting in relaxation and calming effects.
- GABA supplements are known for their ability to reduce stress, help support a healthy mood, and to promote restful sleep.
- Many stress-reducing compounds target GABA receptors because of their well-documented ability to promote a calm state of mind.

Main Cautions

- GABA is a natural hormone and the body has a several highly effective mechanisms to eliminate excess levels of GABA. Side effects are very rare.
- Side effects from large serving sizes may include dizziness, headaches, sweating, shortness of breath, increased heart rate, and anxiety.
- Do not use GABA supplements if you are taking any GABA-agonist medication. GABA may interact with alcohol. Before using GABA, speak to your doctor if you have any underlying medical conditions.

GABA

NC(CCC)CC(=O)O

Usage Tips

- A 1.7z measuring scoop is included. One level scoop contains approximately one serving, or approximately 1000 mg of GABA. As a dietary supplement, take 1-2 servings, 1-2 times per day. Start at the lower suggested quantity to assess response.
- It is safe to stack GABA with other supplements so long as the amount consumed does not exceed the suggested serving size.
- The benefits of GABA are most effective when they are supported by a healthy diet and plenty of exercise.

- This supplement is not intended to treat, diagnose, prevent, or cure any disease. Consult your healthcare provider before use if you have a medical condition or if you are taking any prescription medications.
- The negative effects of GABA are dependent on the amount taken, so use of a scale with 10mg/0.1g accuracy or better is highly recommended.
- Use of capsules, or mixing with tea, yogurt, apple sauce, or oatmeal may help make the powder more tolerable.



LIFTMODE
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Chicago, IL 60605

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CERTIFICATE OF ANALYSIS

GABA (γ-Aminobutyric acid)

Material Lot #: 20171211 Manufacture Date: 11/16/2018
Country of Origin: China Expiration Date: 11/15/2021

Analysis	Claim	Result
GABA	≥98.0%	99.39%

Test	Specification	Result
Appearance	Off-white crystalline powder	Conforms
Identification	1.2 (+)	Conforms
Melting Point	197.0-203.0°C	197.0-198.5°C
Alkaline	6.0-8.0	7.19
Clarity of Solution	Clear	Conforms
Chloride	≤0.014%	<0.014%
Loss on Drying	≤1.0%	0.38%
Residue on Ignition	≤0.1%	0.04%
Heavy Metals	≤10µg	<10 µg
Assay	≥98.0	99.39%

GABA should be stored at or below room temperature in a tightly sealed durable container. GABA should be protected from excess heat, direct sunlight, excess humidity and moisture. GABA has a stable shelf life of 3 years from the date of manufacture when properly stored.

1H NMR of Gamma-aminobutyric Acid
in D2O
Lot #11115
Colmaric Analytical
400 MHz
11-14-18

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===== F1 - Acquisition Parameters =====
NAME: 111418_11115_111418
DATE_: 11/14/18
TIME: 11:11:13
INSTRUM: spect
PROBHD: 5 mm BBO-1H
PULPROG: zgpg30
AQ: 0.1768
RG: 327.5
AQ2: 0.1768
RG2: 327.5
SFO: 400.146
SF2: 400.146
WDW: EM
SSB: 0
GB: 0
PC: 1.00
SC: 0
DC: 0
EC: 0
AQ3: 0.1768
RG3: 327.5
===== F2 - Processing parameters =====
SI: 327.5
SF: 400.146
WDW: EM
SSB: 0
GB: 0
PC: 1.00
SC: 0
DC: 0
EC: 0
AQ4: 0.1768
RG4: 327.5
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