



# Certificate of Analysis

47 W Polk St. STE 100-241  
Chicago, IL 60605  
liftmode@liftmode.com

LiftAode

## Beta Phenylethylamine HCl

 **β-PEA HCl**

Material Lot #: 181028

Test Date: 03-24-2021

Country of Origin: China

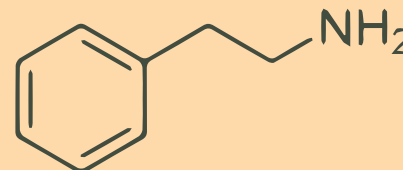
Re-Test Date: 03-21-2024

Analysis	Claim	Result
Beta Phenylethylamine HCl	≥99%	99.5%

Test	Specification	Result
Beta Phenylethylamine HCl (HPLC)	≥99%	%99.5
Lead	≤0.5ppm	<0.005 ppm
Mercury	≤0.5ppm	<0.005 ppm
Cadmium	≤0.5ppm	<0.005 ppm
Arsenic	≤0.5 ppm	<0.01 ppm
Total Aerobic Plate Count	<1000 cfu/g	<10 cfu/g
Yeast	<100 cfu/g	<10 cfu/g
Moulds	<100 cfu/g	<10 cfu/g
Escherichia coli	<10 cfu/g	<10 cfu/g
Coliforms	<10 cfu/g	<10 cfu/g
Salmonella	Negative	Negative
Staphylococcus aureus	<10 cfu/g	<10 cfu/g

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

### Phenylethylamine HCl



### Main Benefits

- Phenylethylamine (PEA, β-phenylethylamine (β-PEA), 2-phenylethan-1-amine) is a trace amine found in a number of plant and animal species and derived from the amino acid L-Phenylalanine.
- Beta-Phenylethylamine HCl improves the output of neurotransmitters called catecholamines, while reducing their re-uptake – resulting in increased concentrations in the brain and plasma.
- Anecdotally, PEA may have similar effects to other energizing supplements, with short-lived but intense effects.

### Main Cautions

- Adverse effects are generally dose-dependent and are low risk. Side effects can include a headache and upset stomach.
- It is not recommended to exceed the serving size for Phenylethylamine. Tolerance may occur after continuous use.
- Do not use Phenylethylamine if you are taking any medication or have any underlying medical conditions, without first consulting your doctor.
- Do not use if pregnant or breastfeeding.

### Usage Tips

- A 1.0cc measuring scoop is included. One level scoop contains approximately one serving, or approximately **600mg of Phenylethylamine**. As a dietary supplement, take 1-2 servings 1-2 times per day. Start at the lower suggested quantity to assess response.
- The negative effects of Phenylethylamine are dependent on the amount taken, so use of a scale with 10mg/0.01g 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.
- This supplement 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.
- It is safe to stack Phenylethylamine with other non-stimulating supplements, so long as the amount consumed does not exceed the suggested serving size.
- The benefits of Phenylethylamine are most effective when they are supported by a healthy diet and plenty of exercise.



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Synaptent

Joseph Watkins  
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Chicago, IL 60607

## ANALYTICAL REPORT

AR-21-QH-037751-01

Client Code: QH0000902

PO#: 20210606

Received On: 08Jul2021

Reported On: 16Jul2021

<b>Eurofins Sample Code:</b> 477-2021-07080217	<b>Sample Registration Date:</b> 08Jul2021
<b>Client Sample Code:</b> 181028	<b>Condition Upon Receipt:</b> acceptable, 22.1°C
<b>Sample Description:</b> Phenylethylamine	<b>Sample Reference:</b>
<b>FS001 - Heavy Metals (As, Cd, Hg, and Pb)</b>	<b>Reference</b> AOAC 2011.19 and 993.14 (modified)
	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 2918.01
	<b>Completed</b> 16Jul2021
	<b>Sub</b> 1

<b>Parameter</b>	<b>Result</b>
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	<5.00 ppb
Mercury	<5.00 ppb

<b>UM&amp;VD - Total Coliforms - CMMEF Chapter 9.933</b>	<b>Reference</b> CMMEF Chapter 9.933
	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07
	<b>Completed</b> 10Jul2021

<b>Parameter</b>	<b>Result</b>
Coliforms	< 10 cfu/g

<b>Parameter</b>	<b>Result</b>
Escherichia coli	< 10 cfu/g

<b>UMDTC - Salmonella spp. - AOAC-RI 121501</b>	<b>Reference</b> AOAC-RI 121501
	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07
	<b>Completed</b> 10Jul2021

<b>Parameter</b>	<b>Result</b>
Salmonella	Not Detected per 25 g

<b>UMHBM - Staphylococcus aureus - BAM Chapter 12</b>	<b>Reference</b> BAM Chapter 12
	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07
	<b>Completed</b> 10Jul2021

<b>Parameter</b>	<b>Result</b>
Staphylococcus aureus	< 10 cfu/g

<b>UMIB1 - Yeast - FDA BAM Chapter 18 mod.</b>	<b>Reference</b> FDA BAM Chapter 18 mod.
	<b>Completed</b> 13Jul2021

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<b>Client Sample Code:</b> 181028	<b>Condition Upon Receipt:</b> acceptable, 22.1°C
<b>Sample Description:</b> Phenylethylamine	<b>Sample Reference:</b>
<b>UMIB1 - Yeast - FDA BAM Chapter 18 mod.</b>	<b>Reference</b> FDA BAM Chapter 18 mod.
	<b>Completed</b> 13Jul2021

<b>Parameter</b>	<b>Result</b>
Yeast	< 10 cfu/g

<b>Parameter</b>	<b>Result</b>
Moulds	< 10 cfu/g

<b>UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72</b>	<b>Reference</b> CMMEF Chapter 8.72
	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07
	<b>Completed</b> 10Jul2021

<b>Parameter</b>	<b>Result</b>
Aerobic Plate Count	< 10 cfu/g

Subcontracting partners:

1 - Eurofins Food Chemistry Testing US Madison, WI

Respectfully Submitted,

Michael Kaiser  
Associate Technical Leader



Results shown in this report relate solely to the item submitted for analysis. [Any opinions/interpretations expressed on this report are given independent of the laboratory's scope of accreditation. [All results are reported on an "As Received" basis unless otherwise stated. [Reports shall not be reproduced except in full without written permission of Eurofins Scientific, Inc. [All work done in accordance with Eurofins General Terms and Conditions of Sale: [www.eurofins.com/terms\\_and\\_conditions.pdf](http://www.eurofins.com/terms_and_conditions.pdf) ] \* Indicates a subcontract test to a different lab. Lab(s) are listed at end of the report. For further details about the performing labs please contact your customer service contact at Eurofins. Measurement of uncertainty can be obtained upon request.

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## S &amp; N LABS

2021 E. Fourth Street Santa Ana, California 92705 (714) 543-2211

24 March 2021

Job Number:	24885
PO Number:	verbal

Synaptent LLC  
47 W. Polk Street #100-241  
Chicago, Illinois 60605

## REPORT OF ANALYSIS

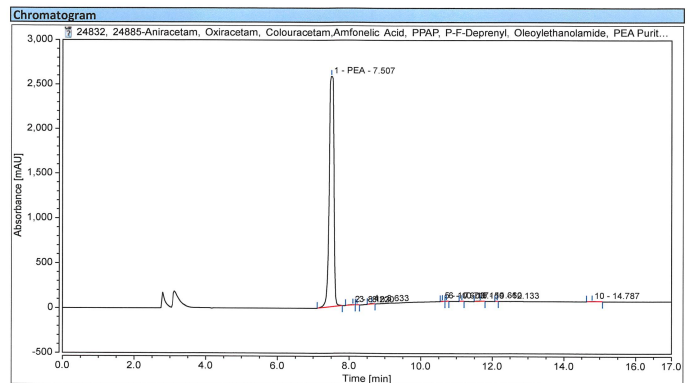
One jar labeled "PEA HCl #181028" was received on 24 March 2021. The powder in the bag was analyzed for specific component using high pressure liquid chromatography (HPLC). The results are summarized in the table below.

Sample	Chromatographic Purity (% area)
PEA HCl #181028	99.5

Neil E. Spingarn, Ph.D.  
President

Instrument: Annex-2 Sequence: 24832, 24885-Aniracetam, Oxiracetam, Coloursacetam, Amfonelic Acid, PPAP, P-F-Deprenyl, Oleoylethanolamide, PEA Purities Page 1 of 1

Chromatogram and Results			
<b>Injection Details</b>			
Injection Name:	PEA HCl 181028	Run Time (min):	20.00
Vial Number:	RC3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Calibration Level:		Wavelength:	195
Instrument Method:	AD 250mm MaxRP 20min	Bandwidth:	5
Processing Method:	Processing Method	Dilution Factor:	1.0000
Injection Date/Time:	24/Mar/21 16:03	Sample Weight:	1.0000



Integration Results							
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	PEA	7.507	392.063	2577.944	99.52	99.34	n.a.
2		8.103	0.453	2.205	0.12	0.08	n.a.
3		8.220	0.031	0.699	0.01	0.03	n.a.
4		8.633	0.474	4.033	0.12	0.16	n.a.
5		10.603	0.124	2.273	0.03	0.09	n.a.
6		10.717	0.073	1.526	0.02	0.06	n.a.
7		11.150	0.068	1.091	0.02	0.04	n.a.
8		11.660	0.408	3.193	0.10	0.12	n.a.
9		12.133	0.007	0.161	0.00	0.01	n.a.
10		14.787	0.272	1.997	0.07	0.08	n.a.
Total:			393.973	2595.122	100.00	100.00	