



# Certificate of Analysis

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



## Caffeine + L-Theanine Capsules

### Caffeine + L-Theanine

Material Lot #:	204899	Test Date:	05/05/2022
Country of Origin:	USA / China	Re-Test Date:	05/02/2025

### Capsules Formula

Ingredient	mg/serving	Test/Method	Specification	Result
Caffeine	100mg	Caffeine (HPLC)	99%	Pass
L-Theanine	150mg	L-Theanine (HPLC)	99%	Pass

### Capsules Safety

Test	Specification	Result	
Lead	≤0.5 ppm	0.0311 ppm	Pass
Mercury	≤0.5 ppm	<0.005 ppm	Pass
Cadmium	≤0.5 ppm	<0.005 ppm	Pass
Arsenic	≤0.5 ppm	<0.01 ppm	Pass
<b>Total Aerobic Plate Count</b>	<b>&lt;1000 cfu/g</b>	<b>&lt;10 cfu/g</b>	<b>Pass</b>
Yeast	< 100 cfu/g	< 10 cfu/g	Pass
Mold	< 100 cfu/g	< 10 cfu/g	Pass
Escherichia coli	<10 cfu/g	<10 cfu/g	Pass
Coliforms	<10 cfu/g	<10 cfu/g	Pass
Salmonella	Negative	Negative	Pass
Staphylococcus aureus	<10 cfu/g	<10 cfu/g	Pass

Caffeine + L-Theanine Capsules should be stored at or below room temperature in a tightly sealed durable container.  
 Caffeine + L-Theanine Capsules should be protected from excess heat, direct sunlight, excess humidity, and moisture.  
 Caffeine + L-Theanine Capsules have a retesting period of 3 years from the date of analysis when properly stored.

# Caffeine + L-Theanine Capsules



Eurofins Microbiology Laboratories (New Berlin)

Eurofins Microbiology Laboratories (New Berlin)

2345 S. 170th St.  
New Berlin, Wisconsin 53151  
+1 262 754 5300  
Micro-MKE@EurofinsUS.com

Synaptent

Quality Control Department (COA)  
425 BARCLAY BOULEVARD  
Lincolnshire, IL 60069

## ANALYTICAL REPORT

AR-22-QH-024953-01

Client Code: QH0000902  
PO#: 204899

Received On: 28Apr2022  
Reported On: 08May2022

<b>Eurofins Sample Code:</b> 477-2022-04280071	<b>Sample Registration Date:</b> 28Apr2022
<b>Client Sample Code:</b> 204899	<b>Condition Upon Receipt:</b> acceptable, 17.7°C
<b>Sample Description:</b> Caffeine + L-Theanine Capsules	<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> 07May2022	<b>Sub</b> 1
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Parameter	Result
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	31.1 ppb
Mercury	<5.00 ppb

<b>UM8VD - 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> 04May2022
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<b>Parameter</b> Coliforms	<b>Result</b> < 10 cfu/g
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<b>Parameter</b> Escherichia coli	<b>Result</b> < 10 cfu/g
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<b>UMDTC - Salmonella species - AOAC-RI 121501</b>	<b>Reference</b> AOAC-RI 121501	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 04May2022
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<b>Parameter</b> Salmonella	<b>Result</b> Not Detected per 25 g
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<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> 05May2022
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<b>Parameter</b> Staphylococcus aureus	<b>Result</b> < 10 cfu/g
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Synaptent

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## ANALYTICAL REPORT

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<b>Client Sample Code:</b> 204899	<b>Condition Upon Receipt:</b> acceptable, 17.7°C
<b>Sample Description:</b> Caffeine + L-Theanine Capsules	<b>Sample Reference:</b>

<b>UMIB1 - Yeast - FDA BAM Chapter 18 mod.</b>	<b>Reference</b> FDA BAM Chapter 18 mod.	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 08May2022
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<b>Parameter</b> Yeast	<b>Result</b> < 10 cfu/g
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<b>Parameter</b> Moulds	<b>Result</b> < 10 cfu/g
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<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> 05May2022
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<b>Parameter</b> Aerobic Plate Count	<b>Result</b> < 10 cfu/g
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Subcontracting partners:  
1 - Eurofins Food Chemistry Testing US Madison, WI

Respectfully Submitted,



Christine Gwinn  
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.eurofinsus.com/terms\\_and\\_conditions.pdf](http://www.eurofinsus.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.

# Caffeine, Page 1



## S & N LABS

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

16 February 2021

Job Number:	24755
PO Number:	verbal

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

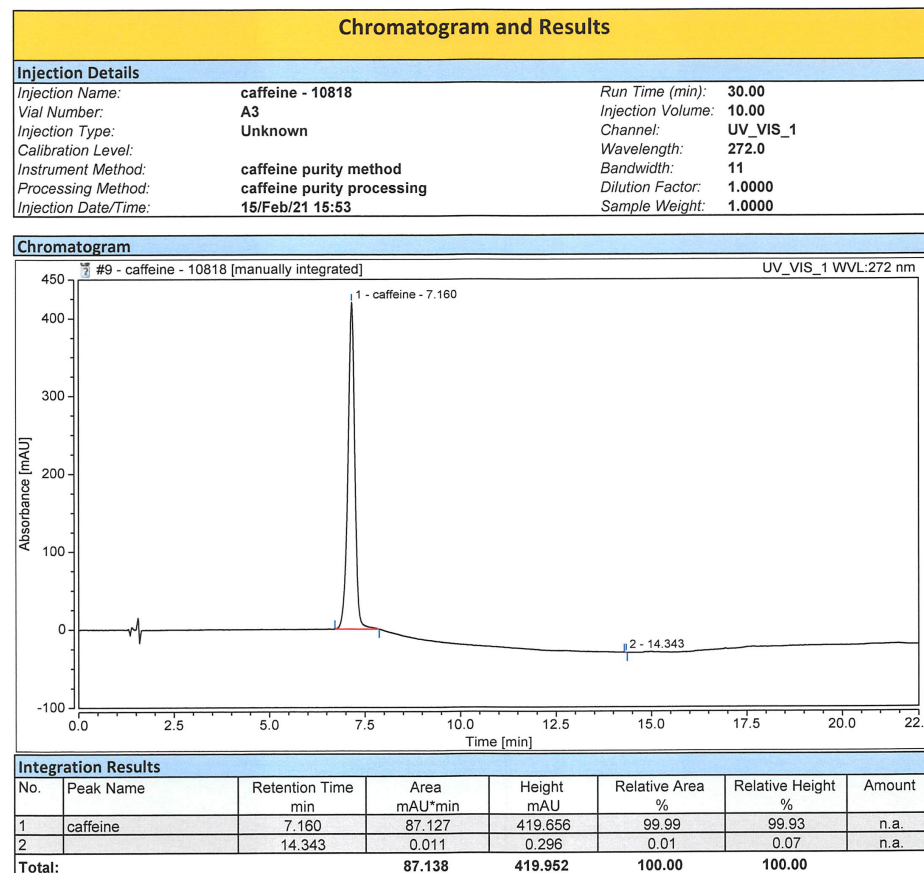
### REPORT OF ANALYSIS

One blue jar labeled "Caffeine #10818" was received on 15 February 2021. The powder in the package was analyzed for purity using high pressure liquid chromatography (HPLC). The detector was set to 272nm. The results are summarized in the table below.

Sample	Chromatographic Purity (% area)
Caffeine #10818	>99.9

The chromatogram is enclosed for your reference.

Neil E. Spingam, Ph.D.  
President



# Caffeine, Page 2



**Order # Sample ID:** 2021-001553-01      **Company:** Synaptent LLC  
**Customer Sample ID:** Caffeine (Anhydrous) >98%  
**Sample Description:** Lot #10818

#### Analytical Testing

<u>Method:</u>	<u>Component:</u>	<u>Result:</u>	<u>Test Date:</u>
<sup>1 2</sup> Mercury	Mercury	<0.010 ppm	01-Mar-2021
Metals (ICP-MS)	Arsenic	<10 ppb	17-Feb-2021
Metals (ICP-MS)	Cadmium	<10 ppb	17-Feb-2021
Metals (ICP-MS)	Lead	<10 ppb	17-Feb-2021

**Results Approved By:** Randy Vados  
(Authorized Reviewer)

#### Analytical Method References:

<u>Method Name</u>	<u>Method Reference</u>
Mercury	Please contact for Method Details
Metals (ICP-MS)	AOAC: 993.14*, AOAC: 2015.06*

\* This method has been modified.

Medallion Labs maintains A2LA accreditation to ISO/IEC 17025 for the specific tests listed in certificates # 2769.01 and 2769.02. Medallion Labs' services, including this report, are provided subject to all provisions of Medallion's Standard Terms and Conditions, a copy of which appears at [www.medallionlabs.com](http://www.medallionlabs.com). Unless otherwise noted above, samples were received in acceptable condition and analyzed as received.

<sup>1</sup> This analysis is performed by a partner lab.

<sup>2</sup> This test is not considered in-scope of our current A2LA accreditation. For a listing of in-scope tests, please visit [www.medallionlabs.com](http://www.medallionlabs.com).

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<sup>1</sup> This analysis is performed by a partner lab.

<sup>2</sup> This test is not considered in-scope of our current A2LA accreditation. For a listing of in-scope tests, please visit [www.medallionlabs.com](http://www.medallionlabs.com).

# L-Theanine, Page 1



## S & N LABS

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

14 April 2022

Job Number:	25815a2
PO Number:	verbal

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

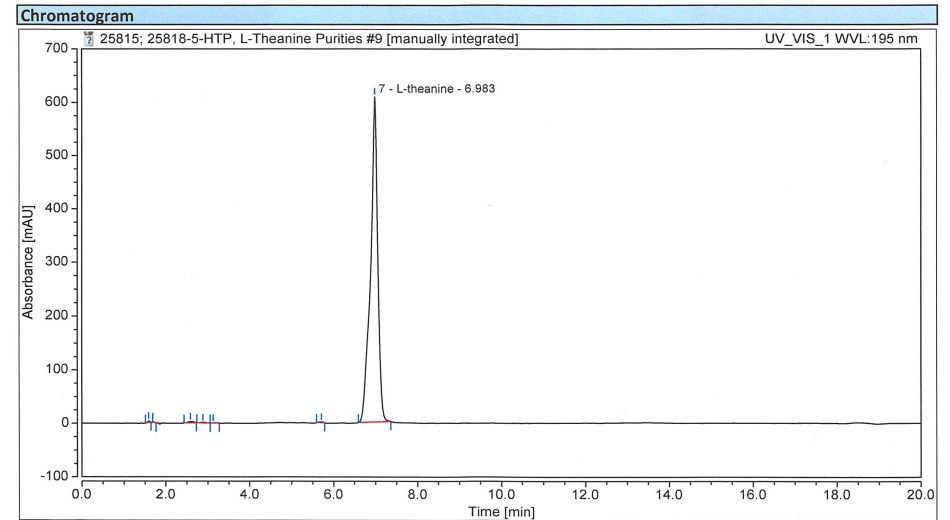
### REPORT OF ANALYSIS

One small jar labeled "L-Theanine #2019011201" was received on 25 March 2022. The contents of the jar were analyzed for purity using high pressure liquid chromatography (HPLC). The detector was set to 195nm. The results are summarized in the table below.

Sample	Chromatographic Purity (% area)
L-Theanine #2019011201	99.2

Neil E. Spingam, Ph.D.  
President

Chromatogram and Results		
<b>Injection Details</b>		
Injection Name:	L-Theanine 2019011201	Run Time (min): 25.00
Vial Number:	BD3	Injection Volume: 10.00
Injection Type:	Unknown	Channel: UV_VIS_1
Calibration Level:		Wavelength: 195
Instrument Method:	BA Ionic Strength Scherzo Method	Bandwidth: 10
Processing Method:	Processing Method	Dilution Factor: 1.0000
Injection Date/Time:	29/Mar/22 20:28	Sample Weight: 1.0000



Integration Results							
No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1		1.587	0.110	3.263	0.09	0.53	n.a.
2		1.693	0.025	1.171	0.02	0.19	n.a.
3		2.587	0.411	3.068	0.34	0.50	n.a.
4		2.883	0.140	1.032	0.12	0.17	n.a.
5		3.127	0.017	0.134	0.01	0.02	n.a.
6		5.707	0.206	1.824	0.17	0.29	n.a.
7	L-theanine	6.983	119.596	608.195	99.25	98.30	n.a.
<b>Total:</b>			<b>120.505</b>	<b>618.688</b>	<b>100.00</b>	<b>100.00</b>	

# L-Theanine, Page 2



Eurofins Microbiology Laboratories (New Berlin)

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2345 S. 170th St.  
New Berlin, Wisconsin 53151  
+1 262 754 5300  
Micro-MKE@EurofinsUS.com

Synaptent

Quality Control Department (COA)  
425 BARCLAY BOULEVARD  
Lincolnshire, IL 60069

## ANALYTICAL REPORT

AR-22-QH-017034-01

Client Code: QH0000902  
PO#: 2019011201

Received On: 24Mar2022  
Reported On: 31Mar2022

<b>Eurofins Sample Code:</b> 477-2022-03240175	<b>Sample Registration Date:</b> 24Mar2022
<b>Client Sample Code:</b> 2019011201	<b>Condition Upon Receipt:</b> acceptable, 17.1°C
<b>Sample Description:</b> L-Theanine	<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> 31Mar2022	<b>Sub</b> 1
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Parameter	Result
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	57.6 ppb
Mercury	<5.00 ppb

<b>UM8VD - 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> 25Mar2022
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Parameter	Result
Coliforms	< 10 cfu/g

Parameter	Result
Escherichia coli	< 10 cfu/g

<b>UMDTC - Salmonella species - AOAC-RI 121501</b>	<b>Reference</b> AOAC-RI 121501	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 25Mar2022
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Parameter	Result
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> 26Mar2022
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Parameter	Result
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> 29Mar2022
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Parameter	Result
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425 BARCLAY BOULEVARD  
Lincolnshire, IL 60069

## ANALYTICAL REPORT

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PO#: 2019011201

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Reported On: 31Mar2022

<b>Eurofins Sample Code:</b> 477-2022-03240175	<b>Sample Registration Date:</b> 24Mar2022
<b>Client Sample Code:</b> 2019011201	<b>Condition Upon Receipt:</b> acceptable, 17.1°C
<b>Sample Description:</b> L-Theanine	<b>Sample Reference:</b>

<b>UMIB1 - Yeast - FDA BAM Chapter 18 mod.</b>	<b>Reference</b> FDA BAM Chapter 18 mod.	<b>Completed</b> 29Mar2022
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Parameter	Result
Yeast	< 10 cfu/g

Parameter	Result
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> 26Mar2022
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Parameter	Result
Aerobic Plate Count	< 10 cfu/g

Subcontracting partners:  
1 - Eurofins Food Chemistry Testing US Madison, WI

Respectfully Submitted,

*Anthony Bichler*

Anthony Bichler  
Operations Supervisor



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