



Certificate of Analysis

47 W Polk St. STE 100-241
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LiftNode

Caffeine + L-Theanine Capsules

Caffeine + L-Theanine

Material Lot #:	30429	Test Date:	12/09/2022
Country of Manufacturing:	USA	Re-Test Date:	12/06/2025
Country of Origin:	China		

Capsules Formula

Ingredient	mg/serving	Test/Method	Specification	Result
Caffeine	100mg	Caffeine (HPLC)	98%	Pass
L-Theanine	150mg	L-Theanine (HPLC)	99%	Pass

Capsules Safety

Test	Specification	Result
Lead	≤0.5 ppm	Pass
Mercury	≤0.5 ppm	Pass
Cadmium	≤0.5 ppm	Pass
Arsenic	≤0.5 ppm	Pass
Total Aerobic Plate Count	<1000 cfu/g	Pass
Yeast	< 100 cfu/g	Pass
Mold	< 100 cfu/g	Pass
Escherichia coli	<10 cfu/g	Pass
Coliforms	<10 cfu/g	Pass
Salmonella	Negative	Pass
Staphylococcus aureus	<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, Page 1



Eurofins S&N Special Analysis West
2021 E 4th St, Suite 112
Santa Ana, California 92705

Report of Analysis: Assays of Caffeine / L-Theanine Capsules 30429 Project No. 26303a

Prepared For:

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

Prepared by:

Chris French, PhD
Principal Scientist

Reviewed by:

Neil Spingarn, PhD
Associate Director, Quality

Date Issued: 12/09/2022



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

Received: 11/30/22
Reported: 12/09/22
Project#: 26303a
PO Number: Verbal

Analysis Report: Assays of Caffeine / L-Theanine Capsules 30429

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REPORT OF ANALYSIS

One container with capsules labeled "Caffeine / L-Theanine Capsules 30429" was received on 30 November 2022. Two representative capsules were individually dissolved in deionized (DI) water then the samples were analyzed using high-pressure liquid chromatography (HPLC) with ultraviolet (UV) detection at 205 nm. The findings are provided in the table below.

Sample	Analyte	Label Claim (g/100g)	Measured Value (g/100g)
Caffeine / L-Theanine Capsules 30429	Caffeine	40	40.
	L-Theanine	60	61.

Chris French, PhD
Principal Scientist

Caffeine + L-Theanine Capsules, Page 2



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Synaptent

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

ANALYTICAL REPORT

AR-22-QH-071123-01

Client Code: QH0000902
PO#: 30429

Received On: 30Nov2022
Reported On: 06Dec2022

Synaptent

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

ANALYTICAL REPORT

AR-22-QH-071123-01

Client Code: QH0000902
PO#: 30429

Received On: 30Nov2022
Reported On: 06Dec2022

Eurofins Sample Code: 477-2022-11300030	Sample Registration Date: 30Nov2022
Client Sample Code: 30429	Condition Upon Receipt: acceptable, 16.5°C
Sample Description: Caffeine + L-Theanine Capsules	Sample Reference:

UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72	Reference	Accreditation	Completed
	CMMEF Chapter 8.72	ISO/IEC 17025:2017 A2LA 3329.07	02Dec2022

Parameter	Result
Aerobic Plate Count	< 10 cfu/g

Eurofins Sample Code: 477-2022-11300030	Sample Registration Date: 30Nov2022
Client Sample Code: 30429	Condition Upon Receipt: acceptable, 16.5°C
Sample Description: Caffeine + L-Theanine Capsules	Sample Reference:

UM8VD - Total Coliforms - CMMEF Chapter 9.933	Reference	Accreditation	Completed
	CMMEF Chapter 9.933	ISO/IEC 17025:2017 A2LA 3329.07	01Dec2022

Parameter	Result
Coliforms	< 10 cfu/g

Parameter	Result
Escherichia coli	< 10 cfu/g

UMDTC - Salmonella spp. - AOAC-RI 121501	Reference	Accreditation	Completed
	AOAC-RI 121501	ISO/IEC 17025:2017 A2LA 3329.07	01Dec2022

Parameter	Result
Salmonella	Not Detected per 25 g

UMHBM - Staphylococcus aureus - BAM Chapter 12	Reference	Accreditation	Completed
	BAM Chapter 12	ISO/IEC 17025:2017 A2LA 3329.07	02Dec2022

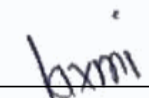
Parameter	Result
Staphylococcus aureus	< 10 cfu/g

UMIB1 - Yeast - FDA BAM Chapter 18 mod.	Reference	Accreditation	Completed
	FDA BAM Chapter 18 mod.	ISO/IEC 17025:2017 A2LA 3329.07	06Dec2022

Parameter	Result
Yeast	< 10 cfu/g

Parameter	Result
Moulds	< 10 cfu/g

Respectfully Submitted,


Laxmi Devi
Scientist I



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L-Theanine, page 1



10 June 2022

Job Number:	25981b
PO Number:	verbal

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

REPORT OF ANALYSIS

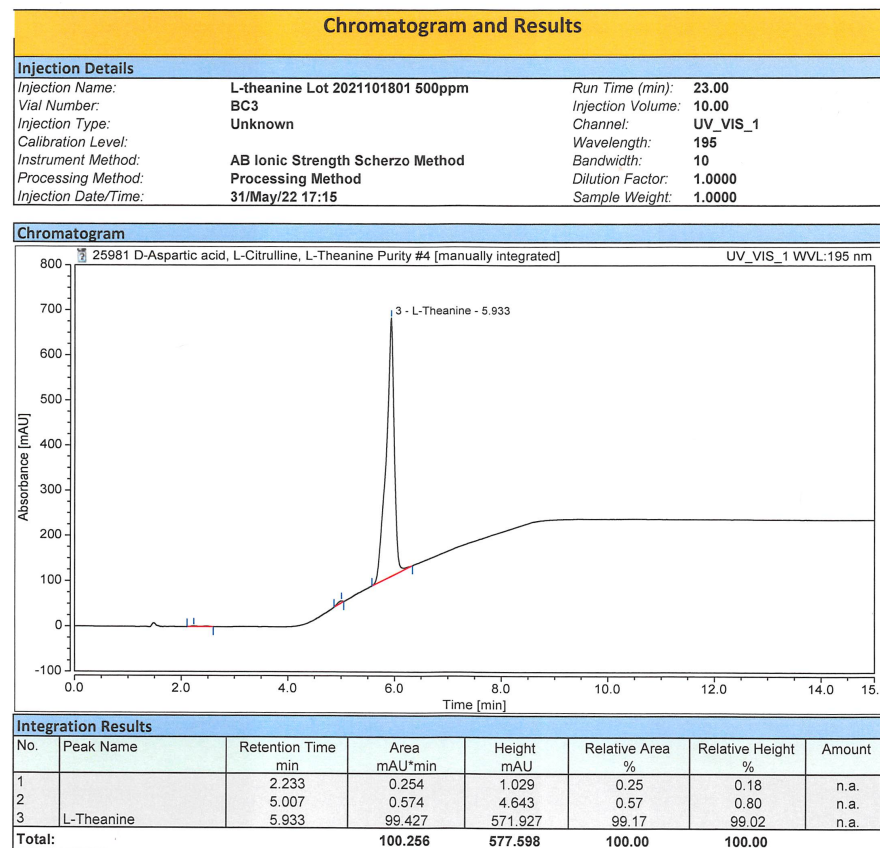
One small jar labeled "L-Theanine #2021101801" was received on 27 May 2022. The contents of the jar were analyzed for purity using high pressure liquid chromatography (HPLC). The detector was set to 195nm. The results are summarized in the table below.

Sample	Chromatographic Purity (% area)
L-Theanine #2021101801	99.2

Neil E. Spingam, Ph.D.
Lab Director

Instrument:Annex-1 Sequence:25981 D-Aspartic acid, L-Citrulline, L-Theanine Purity

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L-Theanine, page 2



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ANALYTICAL REPORT

AR-22-QH-030950-01

Client Code: QH0000902
PO#: 1907184

Received On: 31May2022
Reported On: 07Jun2022

Eurofins Sample Code: 477-2022-05310070	Sample Registration Date: 31May2022
Client Sample Code: 2021101801	Condition Upon Receipt: acceptable, 23.3°C
Sample Description: L-THEANINE	Sample Reference:

FS001 - Heavy Metals (As, Cd, Hg, and Pb)	Reference	Accreditation	Completed	Sub
	AOAC 2011.19 and 993.14 (modified)		07Jun2022	1
Parameter	Result			
Arsenic	<10.0 ppb			
Cadmium	<5.00 ppb			
Lead	26.8 ppb			
Mercury	<5.00 ppb			

UM8VD - Total Coliforms - CMMEF Chapter 9.933	Reference	Accreditation	Completed
	CMMEF Chapter 9.933	ISO/IEC 17025:2017 A2LA 3329.07	01Jun2022

Parameter Coliforms
Result < 10 cfu/g

Parameter Escherichia coli
Result < 10 cfu/g

UMDTC - Salmonella species - AOAC-RI 121501	Reference	Accreditation	Completed
	AOAC-RI 121501	ISO/IEC 17025:2017 A2LA 3329.07	01Jun2022

Parameter Salmonella
Result Not Detected per 25 g

UMHBM - Staphylococcus aureus - BAM Chapter 12	Reference	Accreditation	Completed
	BAM Chapter 12	ISO/IEC 17025:2017 A2LA 3329.07	02Jun2022

Parameter Staphylococcus aureus
Result < 10 cfu/g

UMIB1 - Yeast - FDA BAM Chapter 18 mod.	Reference	Accreditation	Completed
	FDA BAM Chapter 18 mod.	ISO/IEC 17025:2017 A2LA 3329.07	05Jun2022

Parameter
Result

Synaptent

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ANALYTICAL REPORT

AR-22-QH-030950-01

Client Code: QH0000902
PO#: 1907184

Received On: 31May2022
Reported On: 07Jun2022

Eurofins Sample Code: 477-2022-05310070	Sample Registration Date: 31May2022
Client Sample Code: 2021101801	Condition Upon Receipt: acceptable, 23.3°C
Sample Description: L-THEANINE	Sample Reference:

UMIB1 - Yeast - FDA BAM Chapter 18 mod.	Reference	Accreditation	Completed
	FDA BAM Chapter 18 mod.	ISO/IEC 17025:2017 A2LA 3329.07	05Jun2022
Parameter	Result		
Yeast	< 10 cfu/g		
Parameter	Result		
Moulds	< 10 cfu/g		

UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72	Reference	Accreditation	Completed
	CMMEF Chapter 8.72	ISO/IEC 17025:2017 A2LA 3329.07	02Jun2022

Parameter Aerobic Plate Count
Result < 10 cfu/g

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

Respectfully Submitted,

Patricia Quinn
Associate Project Manager I



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Caffeine, page 1

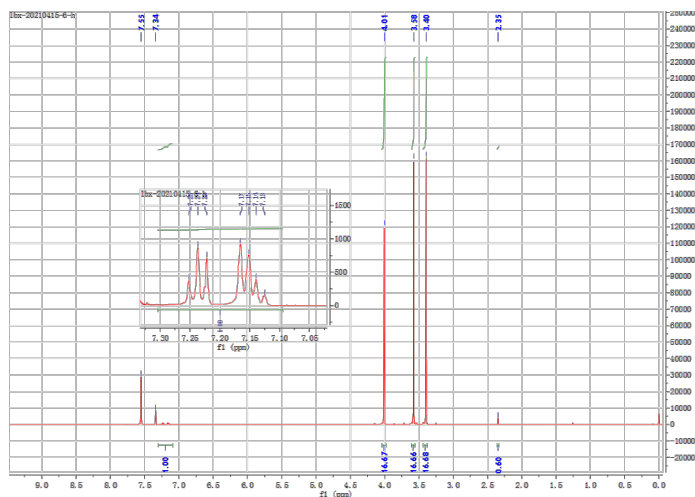


Figure 4 The ¹H-NMR spectrum of caffeine sample.

4 Conclusions and Discussions

As the customer requirements, three samples were successfully used in purity assay by qNMR method.

Table 1 Analysis results.

Sample name	Purity	Internal Standard Substance	Solvent
Caffeine	98.60 %	Toluene	CDCl ₃

– End of Report –

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>
^{1 2} 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.

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¹ This analysis is performed by a partner lab.

² This test is not considered in-scope of our current A2LA accreditation. For a listing of in-scope tests, please visit www.medallionlabs.com.

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