



Twin Arbor Analytical

Your Quality Control Lab

3990 Ruth Way Suite D, Paso Robles, CA 93446 · 805-369-2123 · www.twinarborlabs.com



Certificate of Analysis

Accession:	5526	STAT	Client:	ProHealth	Collection Date:	9/8/2023 12:30 PM	PC
External No:	4010-LN			555 Maple Ave	Received Date:	9/12/2023 12:44 PM	FR
Product:	L-Theanine Calm-Plex			Carpinteria, CA 93013	Reported Date:	9/28/2023 1:31 PM	
Product Code:	P206				Report Status:	FINAL	
Invoice:	3518	Batch or Lot ID:	2308067		Manufactured Date:	8/31/2023	
Expiration Date:	8/31/2025	Serving Size:	1 Capsule				

Physical

Unit Weight		Run by AW on 9/12/2023 3:41:41 PM at Location: TAL
Test	Unit weight in grams	
Unit Weight	0.500	

Analytical

5-hydroxytryptophan (5-HTP)	Run by MJ on 9/13/2023 9:03:05 AM at Location: TAL
SOP/Methodology: HPLC	

Test	Result	Units	Specification	Status
5-hydroxytryptophan (5-HTP)	14.4	mg/per 1 capsule	>10 mg/per 1 capsule	Within Specification

L-Theanine by HPLC	Run by MJ on 9/15/2023 9:37:47 AM at Location: TAL
SOP/Methodology: TM0055 / HPLC	

Test	Result	Units	Specification	Status
L-Theanine	102.9	mg/per 1 capsule	>100 mg/per 1 capsule	Within Specification

γ-Aminobutyric acid (GABA)	Run by MJ on 9/14/2023 3:52:06 PM at Location: TAL
SOP/Methodology: LCMS	

Test	Result	Units	Specification	Status
γ-Aminobutyric acid (GABA)	283	mg/per 1 capsule	>275 mg/per 1 capsule	Within Specification

Analytical - Elemental Analyses

Heavy Metals (As, Cd, Hg and Pb)	Run by SW on 9/20/2023 5:06:46 PM at Location: TAL
SOP/Methodology: USP 233	

Test	Result	LOD (Result)	LOQ (Result)	Units	Specification	Status
Arsenic (As)	0.027	0.003	0.010	ppm	<2 ppm	Within Specification
Cadmium (Cd)	ND	0.003	0.010	ppm	<1 ppm	Within Specification
Lead (Pb)	0.024	0.003	0.010	ppm	<2 ppm	Within Specification
Mercury (Hg)	ND	0.003	0.010	ppm	<0.1 ppm	Within Specification

Microbiological - Traditional Plating Analyses

Supplement (short USP 2021 and 2022)	Run by AP on 9/18/2023 1:28:53 PM at Location: TAL
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Test	Result	Units	Specification	Status	Methodology
Total Aerobic Plate Count	< 100	CFU/g	<10000 CFU/g	Within Specification	USP 2021
Total Yeast	<100	CFU/g	<1000 CFU/g	Within Specification	USP 2021
Total Mold	<100	CFU/g	<1000 CFU/g	Within Specification	USP 2021
Total Coliform	<10	CFU/g	<10 CFU/g	Within Specification	USP 2021
Escherichia coli	Absent	P/A	Absent in 10g	Within Specification	USP 2022
Salmonella species	Absent	P/A	Absent in 10g	Within Specification	USP 2022
Staphylococcus aureus	Absent	P/A	Absent in 10g	Within Specification	USP 2022

Shawn Richmond

Reviewed By: _____



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Expiration Date:	8/31/2025	Serving Size:	1 Capsule					

Richmond, Shawn - Microbial Director

Panel Name: Supplement (short USP 2021 and 2022)

Approved: 9/28/2023 1:30 PM

Reviewed By:

Jones, Molliann - Analytical Manager

Panel Name: Unit Weight

Approved: 9/15/2023 11:35 AM

Panel Name: 5-hydroxytryptophan (5-HTP)

Approved: 9/15/2023 11:35 AM

Panel Name: L-Theanine by HPLC

Approved: 9/15/2023 11:35 AM

Panel Name: γ-Aminobutyric acid (GABA)

Approved: 9/15/2023 11:35 AM

Panel Name: Heavy Metals (As, Cd, Hg and Pb)

Approved: 9/21/2023 1:56 PM

ND = Not Detected | LOD = Limit of Detection | LOQ = Limit of Quantification

Product details are provided by the Client and are not verified by the laboratory.
Not all methods are ISO17025:2017 accredited.