



thrivous.com – support@thrivous.com – +1 801 658 9661 – PO Box 4078 #73216, SLC UT 84110 USA

# CERTIFICATE OF ANALYSIS AND QUALITY

<b>Product</b>	Serenity Nightly Nootropic
<b>SKU</b>	SERENITY
<b>Barcode</b>	866033000215
<b>Formula</b>	3
<b>Date</b>	10 August 2023

**Label**

**Warning:** Consult a physician before and during use of all dietary supplements.

**Use:** Take 2 to 4 capsules daily within one hour before sleep. Take only before sleep.

**Storage:** Keep cool and dry, away from children.

 **KSM-66 Ashwagandha** KSM-66 is a registered trademark of Ixoreal Biomed Inc.

\* THIS STATEMENT HAS NOT BEEN EVALUATED BY THE FOOD AND DRUG ADMINISTRATION. THIS PRODUCT IS NOT INTENDED TO DIAGNOSE, TREAT, CURE, OR PREVENT ANY DISEASE.



8 66033 00021 5



**SERENITY**  
NIGHTLY NOOTROPIC

Formula 3

Enhances Relaxation and Sleep,  
and Promotes Next-Day Focus\*

**Dietary Supplement**  
**60 CAPSULES**

**Supplement Facts**

Serving Size 2 Capsules  
Servings Per Container 30

Amount Per Serving	% Daily Value
Magnesium 150 mg (from Magnesium Glycinate 600 mg)	36%
Ashwagandha Root Extract 300 mg (KSM-66® 5% Withanolide)	†
L Theanine 200 mg	†
Melatonin 5 mg	†
† Daily Value Not Established	

Other Ingredients: Cellulose, Sodium Copper Chlorophyllin, Vegetable Oil, MCT Oil  
THRIVOUS, PO BOX 4078 #73216, SLC UT 84110 USA

<b>Certifications</b>
Letter of Guarantee
Good Manufacturing Practice (GMP) Certificate from Manufacturing
ISO/IEC 17025 Certificate from Third-Party Testing
Certificate of Analysis from Third-Party Testing
Capsule Certificate of Analysis from Supplier
Capsule Certificate of Analysis from Third-Party Testing
Excipient MCT Oil Certificate of Analysis from Supplier
Excipient MCT Oil Certificate of Analysis from Third-Party Testing
Excipient Vegetable Oil Certificate of Analysis from Supplier
Excipient Vegetable Oil Certificate of Analysis from Third-Party Testing
Ashwagandha Certificate of Analysis from Supplier
Ashwagandha Certificate of Analysis from Third-Party Testing
L Theanine Certificate of Analysis from Supplier
L Theanine Certificate of Analysis from Third-Party Testing
Magnesium Glycinate Certificate of Analysis from Supplier
Magnesium Glycinate Certificate of Analysis from Third-Party Testing
Melatonin Certificate of Analysis from Supplier
Melatonin Certificate of Analysis from Third-Party Testing



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10 August 2023

RE: Letter of Guarantee for Thrivous Serenity Nightly Nootropic

To whom it may concern,

The undersigned, Lincoln Cannon LLC DBA Thrivous (“Thrivous”), hereby guarantees as follows regarding Serenity Nightly Nootropic (“Product”):

1. Product is manufactured according to current Good Manufacturing Practices as indicated in 21 CFR Part 111.
2. Product is tested by third party laboratories according to current best practices as indicated in ISO/IEC 17025.
3. All ingredients utilized for Product are lawful and safe as defined in section 402(f) of the FD&C Act.
4. To the best of Thrivous’ knowledge, concentrations of active ingredients, as stated on the label of Product, are safe for consumption.

Thrivous further guarantees that any agent signing on behalf of Thrivous has the authority to bind and obligate Thrivous.

Lincoln Cannon LLC DBA Thrivous

Lincoln Cannon  
CEO at Thrivous



State of Utah  
SPENCER J. COX  
Governor

DEIDRE M. HENDERSON  
Lieutenant Governor

Department of Agriculture and Food

Craig W. Buttars  
Commissioner

Kelly Pehrson  
Deputy Commissioner

Travis Waller  
Director, Regulatory Services

Certificate No.: REG-2021-12022

**GOOD MANUFACTURING PRACTICE CERTIFICATE**

We hereby certify that ORIGIN NUTRACEUTICAL INC, located at, 151 E 3450 N, SPANISH FORK, UT 84660 is currently under inspection as a manufacturer of health food or dietary supplements. ORIGIN NUTRACEUTICAL INC has all the facilities to comply with the GOOD MANUFACTURING PRACTICE for food and dietary supplements (Code of Good Manufacturing Practice for food).

We also certify that ORIGIN NUTRACEUTICAL INC, is an inspected facility and the manufacturing plant in which their products are produced are subject to inspections at suitable intervals.

Inspection evaluates and assures compliance with the Utah Wholesome Food Act and Utah Food Protection Rule, which identifies the standard for proper facility construction, good manufacturing practices for food and dietary supplements (GMP), and fulfills requirements of those applicable laws and rules in the State of Utah.

UTAH DEPARTMENT OF AGRICULTURE AND FOOD

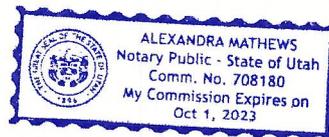
Division of Regulatory Services

State of Utah, County of Salt Lake.

On this date DEC 20 2021 before me, the notary, personally appeared

, proved on the basis of satisfactory evidence to be person, whose name is subscribed to this document, and acknowledge that he/she executed the same.

Notary Public





# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

*Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:*

***Contract Testing Laboratories of America***  
*151 E. 3450 N., Spanish Fork, UT 84660*

*(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:*

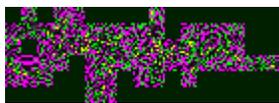
**ISO/IEC 17025:2017**

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

***Chemical and Microbiological Testing***  
*(As detailed in the supplement)*

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:



Tracy Szerszen  
President

*Initial Accreditation Date:*

March 31, 2021

*Issue Date:*

March 24, 2023

*Expiration Date:*

June 30, 2025

*Accreditation No.:*

102267

*Certificate No.:*

L23-261

Perry Johnson Laboratory  
Accreditation, Inc. (PJLA)  
755 W. Big Beaver, Suite 1325  
Troy, Michigan 48084

*The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: [www.pjilabs.com](http://www.pjilabs.com)*



# Certificate of Accreditation: Supplement

## Contract Testing Laboratories of America

151 E. 3450 N., Spanish Fork, UT 84660

Contact Name: Brescia Eppley Phone: 385-477-4999

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Microbiological <sup>F</sup>	Food, Cosmetic, Supplemental, and Nutraceutical	Aerobic Plate Count	AOAC 990.12	10 CFU/g
		<i>Escherichia Coli and Total Coliforms</i>	AOAC 991.14	
		<i>Enterobacteriaceae</i>	AOAC 2003.01	
		Yeast and Mold	AOAC 2014.05	
		<i>Escherichia Coli and Total Coliforms</i>	AOAC 2018.13	
		Aerobic Plate Count	FDA BAM Ch. 3	
		<i>Escherichia Coli and Total Coliforms</i>	FDA BAM Ch. 4	
		<i>Salmonella</i>	FDA BAM Ch. 5	Presence or Absence
		<i>Listeria Monocytogenes</i>	FDA BAM Ch. 10	
		<i>Staphylococcus Aureus</i>	FDA BAM Ch. 12	
		Yeast and Mold	FDA BAM Ch. 18	100 CFU/g
		Yeast and Mold, Aerobic Plate Count	USP 2021	
		<i>Escherichia Coli, Staphylococcus Aureus, Salmonella, Listeria Monocytogenes</i>	USP 2022	Presence or Absence
		Aerobic Plate Count, Total Coliform, Yeast and Mold	USP <61>	100 CFU/g
		<i>Escherichia Coli, Staphylococcus Aureus, Salmonella</i>	USP <62>	Presence or Absence



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Chemical <sup>F</sup>	Food, Cosmetic, Supplemental, and Nutraceutical	Arsenic, Cadmium, Lead, Mercury	USP <233>	LOD of As = 8 ppt LOD of Cd = 4 ppt LOD of Pb = 4 ppt LOD of Hg = 4 ppt
		pH	USP <791>	LOQ = 0.01 %
		Caffeine	CTLA: M061	LOQ = 0.000 2907 %
		<b>Cannabinoids:</b> Total Cannabidiol (CBD) Total Tetrahydrocannabinol (THC) CBD CBDA Δ9-THC THCA Δ8-THC THCV CBDV CBDVA CBGA CBG CBN CBC CBL	CTLA: M052	LOQ = 0.062 5 %
		<b>Mineral Analysis:</b> Chromium (Cr) Iron (Fe) Magnesium (Mg) Zinc (Zn)	CTLA: M068	LOD for Mg, Fe, and Zn = 5.000 ppb LOD for Cr = 0.500 ppb

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer <sup>F</sup> would mean that the laboratory performs this testing at its fixed location.



## Certificate of Analysis

<b>CTLA ID</b>	80270	<b>Sample Name</b>	Serenity
<b>Customer</b>	Thrivous	<b>Lot Number</b>	2320001
<b>Date Received</b>	7/31/2023	<b>Date Complete</b>	8/3/2023
<b>Customer Address:</b>	PO Box 4078 #73216, SLC Utah 84110		

ANALYSIS	SPECIFICATION	RESULT	METHOD	MDL	UNITS
<b>Rapid Complete Micro</b>					
Total Plate Count	Report	900	USP<2021>	100	cfu/g
Total Coliforms	Report	<10	USP<2021>	10	cfu/g
E. coli	Report	Absent	USP<2022>		
Salmonella	Report	Absent	USP<2022>		
S. aureus	Report	Absent	USP<2022>		
Yeast & Mold	Report	<10	AOAC 2014.05	100	cfu/g
<b>Heavy Metal</b>					
Arsenic	Report	0.035	USP <2232>	0.001	ppm
Cadmium	Report	0.016	USP <2232>	0.001	ppm
Mercury	Report	<0.001	USP <2232>	0.001	ppm
Lead	Report	<0.001	USP <2232>	0.001	ppm
Magnesium (from Magnesium Glycinate 600mg)	Report	150	By Input		mg
Ashwagandha Root Extract (KSM-66® 5% Withanolide)	Report	300	By Input		mg
L-Theanine	Report	200	By Input		mg
Melatonin	Report	5			mg
Other Ingredients: Cellulose, Sodium Copper Chlorophyllin, Vegetable Oil, MCT Oil					

**COA Note:**

**Approved By:**

**Date:**

8/3/2023



Specifications provided by the Customer. Results with an asterisk (\*) denote Specification should be reviewed by the Customer. This Certificate of Analysis represents the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. The results are provided for the benefit of the Customer. Results using the "by input" method are calculated using information provided by the Customer. MDL = Method Detection Limit

151 E 3450 N, Ste 202  
Spanish Fork, UT 84660  
(385) 477-4999



ISO 17025 Accreditation No: 102267

<b>CERTIFICATE OF ANALYSIS</b>	Issued date : Apr. 12, 2022
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<b>Product Description</b> <u>Empty Hard Capsule From Hypromellose (HPMC)</u>			
Customer :	SUHEUNG-AMERICA      U.S.A	Manufacturing Date :	Jul. 23, 2021
Capsule Type :	EMBO CAPS® VG-PRO "Kosher and Halal Certified"	Expiration Date :	Jul. 22, 2026
Capsule Item No. :	VP0L17L17	Quantity :	7,020,000 PCS ( 108 Cartons)
Lot Number :	VP0L17L17 - 13908	Carton No. :	1 - 108
Product Size :	0		
Product Code :	<u>CAP</u>	<u>BODY</u>	
	Color      L17 (DK. GREEN TR.)		L17 (DK. GREEN TR.)

<b>Composition</b>			
Cap	Sodium Copper Chlorophyllin	0.4000%	Body
	Hypromellose	qsp 100	Sodium Copper Chlorophyllin
			Hypromellose
			qsp 100

<b>Analytical Results</b>					
	<u>Test Items</u>	<u>Unit</u>	<u>Standard</u>	<u>Results</u>	<u>Test Method</u>
Length	Cap	mm	10.3 ~ 11.1	10.7	In-house Spec.
	Body	mm	18.0 ~ 18.8	18.4	In-house Spec.
Weight		mg	84.6 ~ 105.4	97.2	In-house Spec.
Identification of Hypromellose* of Colorant*			Positive	Positive	USP/EP
			Positive	Positive	USP/EP
Disintegration		min/sec	NMT 15	13'50"	USP/EP
Loss on Drying		%	3.0 ~ 7.0	4.9	USP/EP
Residue on Ignition (Ash)*		%	NMT 3.0	1.2	USP/EP
TAMC		CFU/g	NMT 500	<10	USP/EP
TYMC		CFU/g	NMT 100	<10	USP/EP
E.Coli			Negative/10g	Negative	USP/EP
Salmonella			Negative/10g	Negative	USP/EP
Staphylococcus aureus			Negative/10g	Negative	USP/EP
Pseudomonas aeruginosa			Negative/10g	Negative	USP/EP

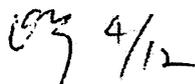
\* Reduced frequency testing

<b>Elemental Impurities</b>		
Suheung Empty Hard Capsules comply with ICH Q3D for elemental impurities and meeting below acceptance level.		
Elemental impurities test results based on continuous monitoring program.		
<u>Elemente</u>	<u>Unit</u>	<u>Acceptance level</u>
Arsenic	ppm	NMT 1.0
Lead	ppm	NMT 1.0
Cadmium	ppm	NMT 0.5
Mercury	ppm	NMT 0.1
Cobalt	ppm	NMT 5
Vanadium	ppm	NMT 10
Nickel	ppm	NMT 20

<b>Ingredients List</b>				
<u>Ingredients Name</u>	<u>E Nr</u>	<u>CI Nr</u>	<u>Function</u>	<u>Regulatory Reference</u>
Sodium Copper Chlorophyllin	E141	75815	Colorant	(EU) 231/2012, 21 CFR
Hypromellose			Structure	EP, JP, USP/NF

- Storage Conditions : recommended 15~25°C and 35~65%RH  
 - We, Suheung Co., Ltd., hereby certify that the Empty Hard Capsules manufactured by us are free from Preservatives and no Ethylene Oxide or/and Irradiation Treatment .

\* ORDER NO. HC6701

  
 \_\_\_\_\_  
**Quality Assurance Manager**

# Certificate of Analysis

## Sample Information

CTLA ID: 70053  
 Date Received: 3/15/2023  
 Sample Name: 10448 CPS Capsule, HPMC, 0, Chlorophyll  
 Lot Number: 47445  
 Customer: Origin Nutraceutical

Analysis	Method	MDL Specification	Result	Units
ID	FTIR	Report	98.1	%
FTIR Spectra	FTIR	Report		
<b>Rapid Complete Micro</b>				
Total Plate Count	USP <2021>	100 Report	<100	cfu/g
Total Coliforms	USP <2021>	10 Report	<10	cfu/g
<i>E. coli</i>	USP <2022>	Report	Absent	
<i>Salmonella</i>	USP <2022>	Report	Absent	
<i>Staphylococcus aureus</i> <2022>	USP <2022>	Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10 Report	<10	cfu/g

Amended report: Test added

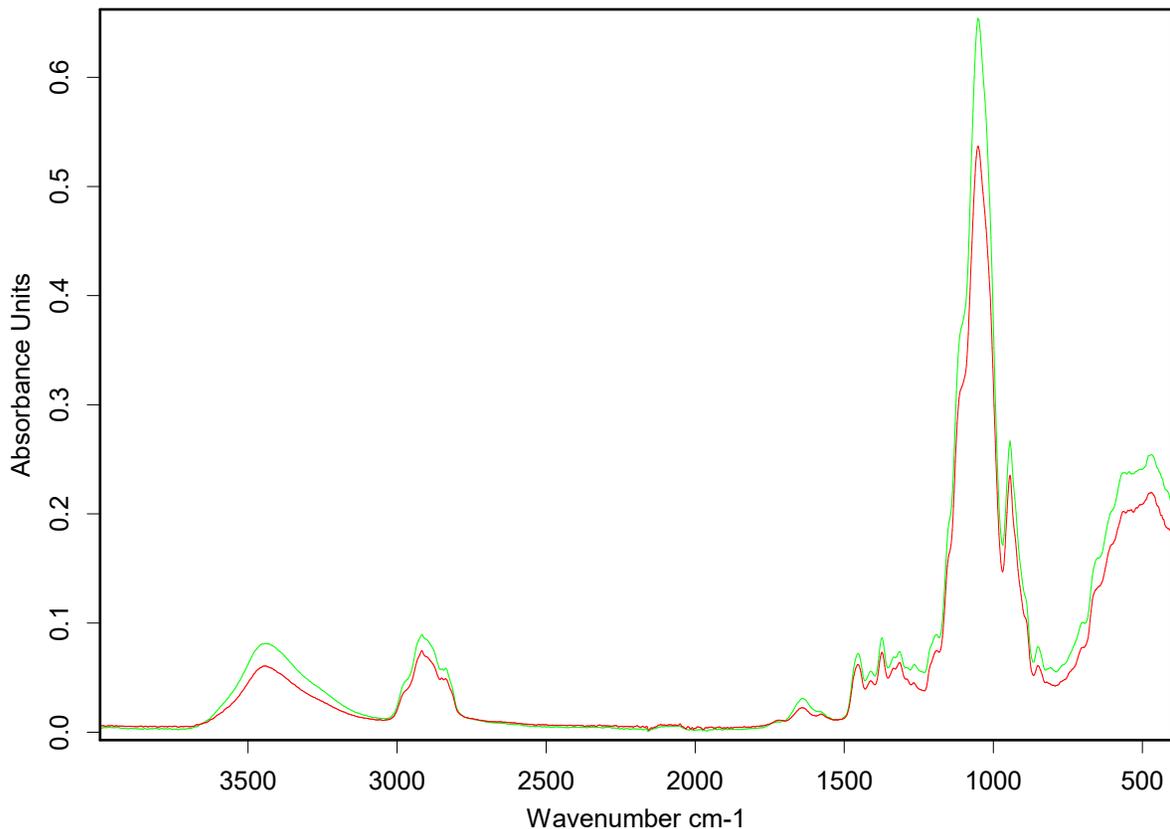
3/23/2023

DATE



Quality Manager

Specifications provided by the Customer. Results with an asterisk (\*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit. This document is not to be altered or reproduced except by the original authorizing body (CTLA)



Product Number	ON 10448 CPS Capsule HPMC 0 Chlorophyll 3
Entry No.	2448
Library name	ORIGIN STANDARDS LIBRARY.S01
Library description	Origin Nutraceutical
Copyright	Origin Nutraceutical Materials Only

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
	981	ON 10448 CPS Capsule HPMC 0 Chlorophyll 35035 Standard 3			

Color	File	Path	Spectrum Type
	70053-ON 10448 CPS Capsule, HPMC, 0, Chlorophyll (4744)	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\Data\MEAS	Query Spectrum



Certificate of Analysis
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Material#: 26154  
 Material Name: MCT Oil  
 Allergens: None

Batch: F060822-26154

Mfg. Date: 06/08/2022

Retest Date: 06/08/2025

Characteristic	Units	Value	Specifications	Test Method
Acid Value	mg KOH/g	0.02	Max 0.1	AOCS Te 2a-64
Saponification Value	mg KOH/g	334	Min. 325 Max. 345	AOCS TI 1a-64
Iodine Value	gI <sub>2</sub> /100g	0.03	Max. 0.5	AOCS Tg 1a-64
Hydroxyl Value	mg KOH/g	3	Max. 5	AOCS Cd 13-60
Peroxide Value	meq/kg	NIL	Max. 1	AOCS Cd 8-53
C8 Caprylic Acid	%	59.1	Min. 55 Max. 65	ISO 12966-2
C10 Capric Acid	%	40.7	Min. 35 Max. 45	ISO 12966-2
C12 Lauric Acid	%	0.1	Max. 1	ISO 12966-2
Chromium	ppm	<0.05	Max. 0.05	ICPMS
Copper	ppm	<0.1	Max. 0.1	ICPMS
Lead	ppm	<0.1	Max. 0.1	ICPMS
Nickel	ppm	<0.1	Max. 0.1	ICPMS
Tin	ppm	<0.1	Max. 0.1	ICPMS
<b>*Typical Microbial Data:</b>				
Aerobic Plate Count	cfu/g	<10	Max. 5000	FDA-BAM
E. Coli	cfu/g	<10	Max. 10	FDA-BAM
Yeast & Mold	cfu/g	<10	Max. 100	FDA-BAM
Salmonella	cfu/g	Negative	Negative	FDA-BAM

\* testing is done on an annual basis

Results Reviewed by	Results Verified by
Signature: <i>Lexi Zaremba</i>	Signature: <i>Arielle Klingenberg</i> <small>Arielle Klingenberg 6/29/22 10:14 CDT</small>
Print Name: Lexi Zaremba	Print Name: Arielle Klingenberg
Date: 06/08/2022	Date: 6/29/22



Contract TESTING Laboratories

OF AMERICA

# Certificate of Analysis

## Sample Information

CTLA ID: 69969  
 Date Received: 3/14/2023  
 Sample Name: 10842 MCT Oil 100%  
 Lot Number: 44891  
 Customer: Origin Nutraceutical

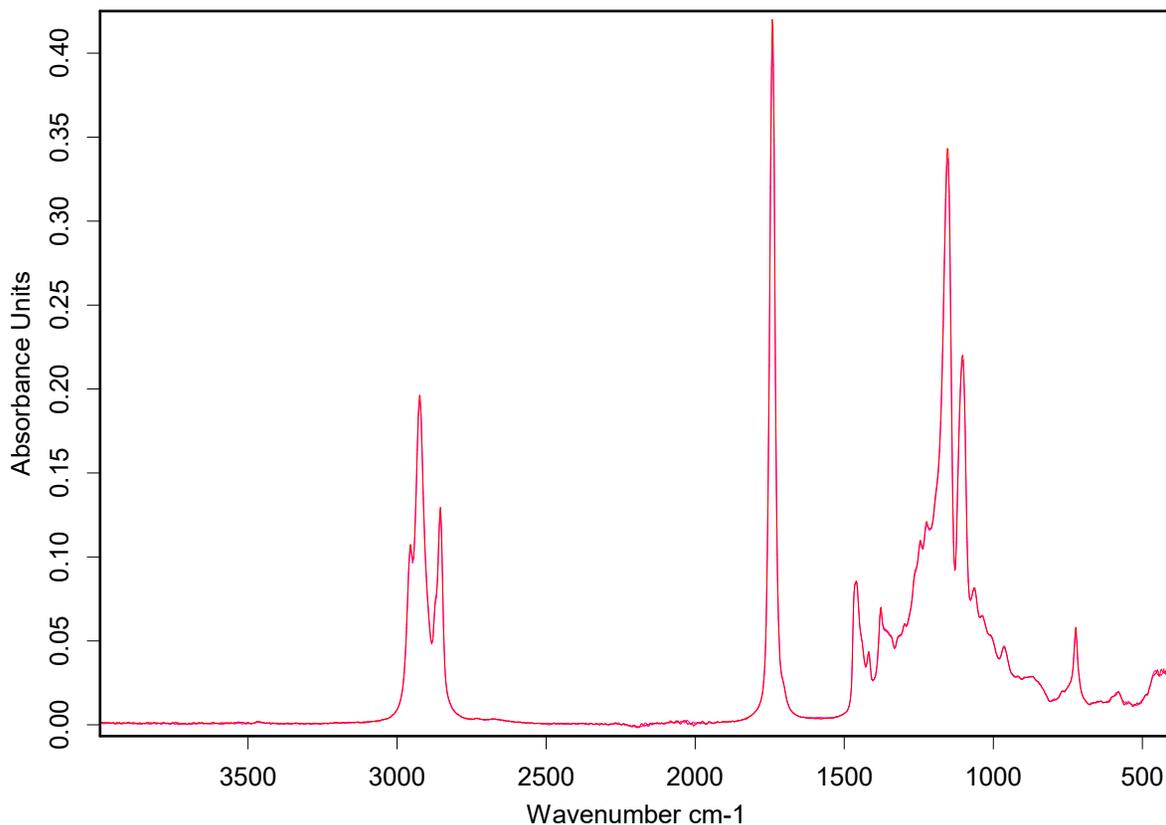
Analysis	Method	MDL Specification	Result	Units
<b>ID, Rapid Complete Micro Combo</b>				
ID	FTIR	Report	99.6	%
Total Plate Count	USP <2021>	100 Report	<100	cfu/g
Total Coliforms	USP <2021>	10 Report	<10	cfu/g
<i>E. coli</i>	USP <2022>	Report	Absent	
<i>Salmonella</i>	USP <2022>	Report	Absent	
<i>Staphylococcus aureus</i> <2022>	USP <2022>	Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10 Report	<10	cfu/g
<b>FTIR Spectra</b>	FTIR	Report		

3/16/2023

DATE

Quality Manager

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Product Number	ON 10842 LIQ MCT Oil 100% 18053 Standard
Entry No.	1721
Library name	ORIGIN STANDARDS LIBRARY.S01
Library description	Origin Nutraceutical
Copyright	Origin Nutraceutical Materials Only

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
	996	ON 10842 LIQ MCT Oil 100% 18053 Standard 1			

Color	File	Path	Spectrum Type
	69969-ON 10842 MCT Oil 100% (44891).0	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\DATA\MEAS	Query Spectrum

# CERTIFICATE OF ANALYSIS

# VEGATEX™

Product Name: Vegatex™  
 Lot Number: 22-7703  
 Date of Manufacture: April 28, 2022  
 Date of Retest/Expiration: April 27, 2025  
 Manufacturer: LipidChem SDN BHD  
 Country of Origin: Malaysia

TEST	TEST SPECIFICATION	TEST RESULT
Appearance	White to Off White Powder	Complied
Free Fatty Acid (%)	≤ 0.25	0.06
Iodine Value (gI2/100g)	≤ 15.0	13.98
Slip Melting Point (°C)	57 min	58.2
Moisture Content (%)	≤ 0.25	0.04

*Note: This analysis is only fit for this product lot.*

Authorized Signature,



Stephen Marantette





Contract TESTING Laboratories

O F A M E R I C A

# Certificate of Analysis

## Sample Information

CTLA ID: 69970  
 Date Received: 3/14/2023  
 Sample Name: 10867 EXC Vegatex  
 Lot Number: 46244  
 Customer: Origin Nutraceutical

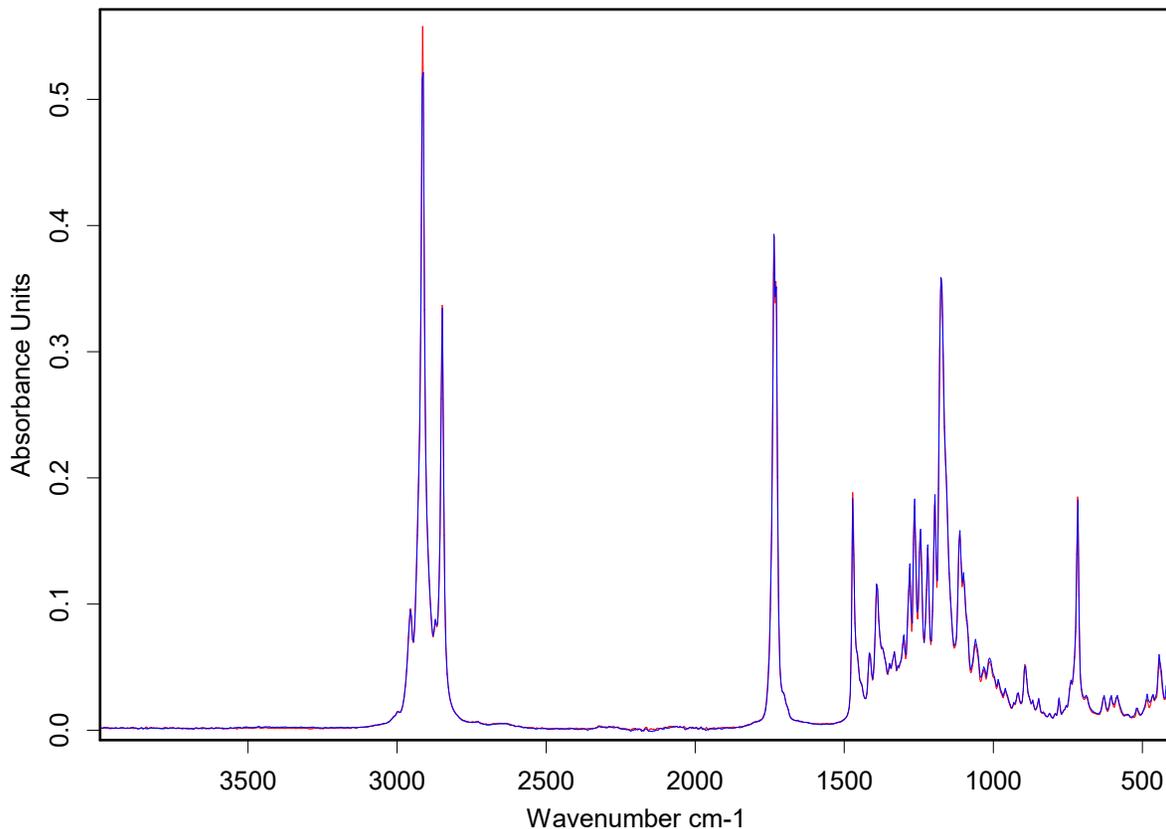
Analysis	Method	MDL Specification	Result	Units
ID	FTIR	Report	99.3	%
FTIR Spectra	FTIR	Report		

3/16/2023

DATE

Quality Manager

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Product Number	ON 10867 DRM EXC Vegatex Vegetable Oil Po
Entry No.	2841
Library name	ORIGIN STANDARDS LIBRARY.S01
Library description	Origin Nutraceutical
Copyright	Origin Nutraceutical Materials Only

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
	993	ON 10867 DRM EXC Vegatex Vegetable Oil Powder (43744) Standard 2			

Color	File	Path	Spectrum Type
	69970-ON 10867 EXC Vegatex (46244).0	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\DATA\MEAS	Query Spectrum



# SHRI KARTIKEYA PHARMA

DEPARTMENT OF QUALITY CONTROL



## Certificate Of Analysis

<b>Product Name:</b> KSM-66 Ashwagandha Root Extract-Vegan ( <i>Withania Somnifera</i> ) <b>Issued To:</b> Origin Nutraceutical, Inc.		<b>Stability:</b> 3 Years from the date of manufacture. <b>Country of Origin:</b> India	
Batch No: KSM/VG/23/S037 Mfg. Date: Jan 2023 Exp. Date: Dec 2025		Report No: SKP/S037 Lab Ref No: QC/037	
No.	Tests	Result	Limits (specification)
1	<b>Description</b>	Light Yellowish Brown Powder	
2	<b>Plant Part Used</b>	Roots	
3	<b>Identification</b>	Six spots at Rf of 0.61, 0.53, 0.46, 0.35, 0.28, 0.23	To Pass The Test (TLC)
4	<b>Physico-chemical analysis</b>		
	Moisture Content (%)	3.26	<5.0
	Ash Content	5.32	<15.0
	Acid insoluble ash (%w/w)	2.07	<5.0
	pH of 5% w/v solution	4.61	4.0-6.0
5	<b>Partical Size</b>		
	Passing through 40 mesh sieve	Pass	>95%(w/w)
	Passing through 80 mesh sieve	Pass	>85%(w/w)
6	<b>Density</b>		
	Bulk density (g/cc)	0.57	0.2-0.6
	Tapped bulk density (g/cc)	0.76	0.4-0.8
7	<b>Heavy Metals</b>		
	Lead	BDL	<1ppm
	Cadmium	BDL	<1ppm
	Arsenic	BDL	<1ppm
	Mercury	BDL	<0.1ppm
8	<b>Microbiological analysis as per USP</b>		
	Total viable aerobic count	<10 <sup>4</sup> cfu/g	<10 <sup>4</sup> cfu/g
	Total enterobacteriaceae	<10 <sup>2</sup> cfu/g	<10 <sup>2</sup> cfu/g
	Total fungal count	<10 <sup>3</sup> cfu/g	<10 <sup>3</sup> cfu/g
9	<b>Test for specific pathogens</b>		
	E. Coli	Absent	Absent
	Salmonella sp. (cfu/10g)	Absent	Absent
	S aureus (1g)	Absent	Absent
10	<b>Aflatoxins (B1,B2,G1,G2)</b>	BDL	<20ppb
11	<b>Phyto-Chemical Analysis</b>		
	Total Withanolides (%w/w) by HPLC	5.19	≥5%
	(withaferin A) by HPLC	BDL	(<0.1%)

BDL-Below detection levels

Sample complies with the above said specifications.

**Storage:** Store in original, sealed containers at room temperature. Avoid light and keep away from excessive humidity.



QC Analyst



QC Manager

# Certificate of Analysis

## Sample Information

CTLA ID: 73042  
 Date Received: 4/28/2023  
 Sample Name: 11087 KSM-66 Ashwagandha  
 Lot Number: KSM/VG/23/5037  
 Customer: Origin Nutraceutical

Analysis	Method	MDL Specification	Result	Units
<b>ID, Complete Micro Combo</b>				
ID	FTIR	Report	94.3	%
Total Aerobic Microbial Count	USP <2021>	100 Report	900	cfu/g
Total Coliforms	USP <2021>	10 Report	<10	cfu/g
<i>E. coli</i>	USP <2022>	Report	Absent	
<i>Salmonella</i>	USP <2022>	Report	Absent	
<i>Staphylococcus aureus</i> <2022>	USP <2022>	Report	Absent	
Yeast & Mold	USP <2021>	100 Report	<100	cfu/g
<b>FTIR Spectra</b>	FTIR	Report	Attached	
<b>Ashwagandha</b>	HPTLC	Report	Characteristic	

**HPTLC:** Fingerprint of test solution is consistent with *Withania Somnifera* (Ashwaganda root).

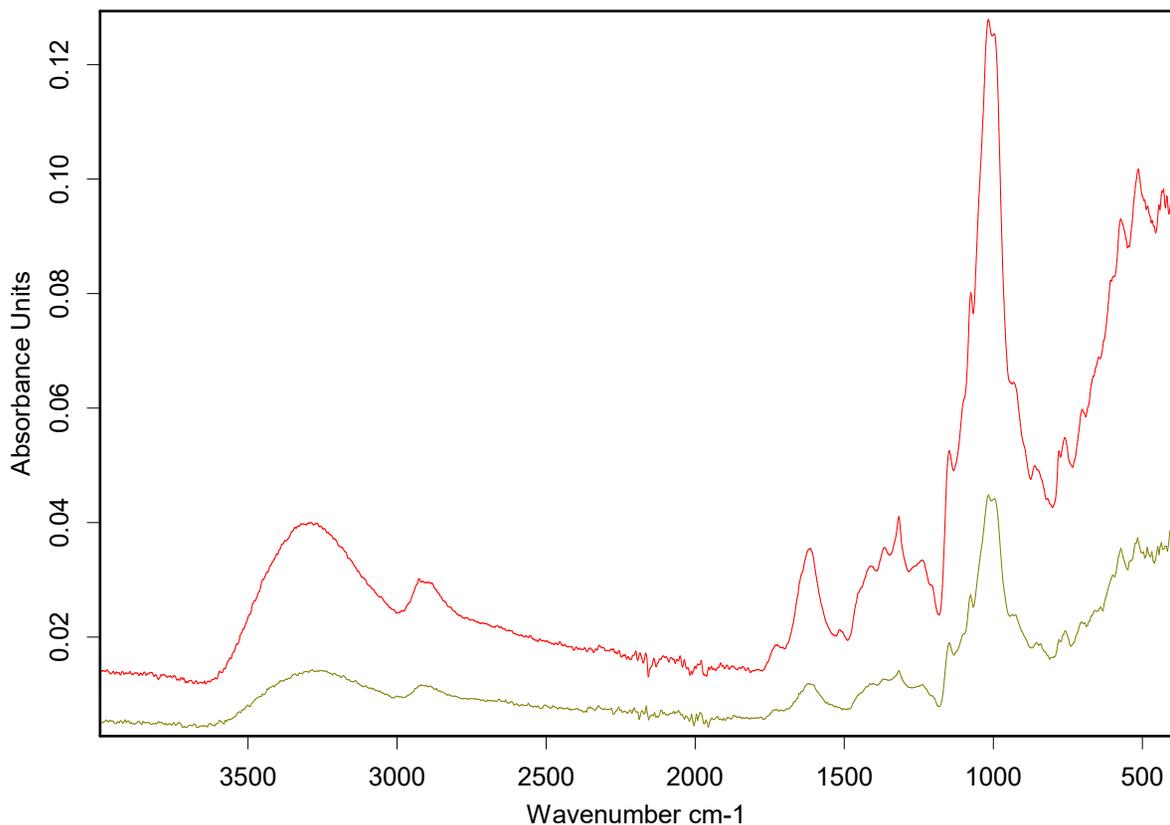
5/10/2023

DATE



Quality Manager

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Product Number	39834-ON 11087 DRM KSM-66 Ashwagandha
Entry No.	368
Library name	COMPARISON TESTS.S01
Library description	Origin Nutraceutical
Copyright	Origin Nutraceutical Materials Only

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
	943	39834-ON 11087 DRM KSM-66 Ashwagandha (38810)			

Color	File	Path	Spectrum Type
	73042-ON 11087 KSM-66 Ashwagandha (KSM-VG-23-5037	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\DATA\MEAS	Query Spectrum



A Tentamus Company

# Certificate of Analysis

Product: KSM-66 Ashwagandha Extract

Certificate No.: P7142166 Version 1

Lot No: KSM/VG/23/S037

Issued for: Origin Nutraceutical

Test / Date / Method	Specification	Results
Total Withanolides 2023-04-10 HPLC	≥ 5%	5.6%

Issuance Date: 2023-04-24

Approved By:  
Mo Lababidi  
Senior Analyst

Requisition: 1165R14588 Received On 2023-04-03 Code No: N/A For Origin Nutraceutical, 151 E 3450 N Ste 201, Spanish Fork, 84660, Tel.:  
Fax:..



SICHUAN TONGSHENG AMINO ACID CO., LTD

Manufacture address: No.23 of Yongdinghe West Road, Tianyuan development zone, Deyang, Sichuan, China

## Certification of Analysis

Product Name: L-Theanine  
Molecular Formula:  $C_7H_{14}N_2O_3$   
Manufacture time: 2022-06-06  
Testing time: 2022-06-14  
Bulk Density: 0.32g/mL  
Specification: (Enterprise Standard)

CAS#: 3081-61-6  
Molecular Weight: 174.2  
Batch No.: 010095-H2022061401  
Expiry time: 2025-06-05  
Tapped Density: 0.49g/mL

TItem	Standard	Analysis data	Test Method
Appearance	White crystalline powder	Conforms	Visual
Specific rotation(a)D20 (C=2, H2O)	+7.5° to +8.5°	+7.91°	AJ197
Solubility	Freely soluble in water, insoluble in EtOH	Conforms	Visual
Assay	98.0-102.0%	99.41%	AJ197
Melting Point (°C)	200.0°C to 210.0°C	201.4-201.7°C	AJ197
Chloride(Cl)	Not more than 0.02%	<0.02%	AJ197
Iron(Fe)	Not more than 10ppm	<10ppm	AJ197
Heavy metals(Pb)	Not more than 10ppm	<10ppm	Colorimetry
Arsenic(As2O3)	Not more than 4ppm	<4ppm	AFS
Loss on drying	Not more than 1.0%	0.16%	AJ197
Residue on ignition	Not more than 0.2%	0.07%	AJ197
Total Plate Count	Not more than 1000cfu/g	Conforms	AOAC
Yeast & mould	Not more than 100cfu/g	Conforms	AOAC
Ethyl alcohol	Not more than 3000ppm	Conforms	AOAC
E. Coli	Negative	Negative	AOAC
Salmonella	Negative	Negative	AOAC
PH	5.0-6.0	5.77	AJ197
Mesh Size	90% through 60mesh	90% through 60mesh	Mesh screen
Lead	Not more than 1ppm	Conforms	AAS
Cadmium	Not more than 0.3ppm	Conforms	AAS
Mercury	Not more than 0.1ppm	Conforms	AAS
Conclusion	The product conforms to the Standard		

Inspector: 王明芳

Manager: 肖宏林

Sheet Made on June 21, 2022

Confirmed: 陈书娟

Signature: 陈书娟





Contract TESTING Laboratories

O F A M E R I C A

# Certificate of Analysis

## Sample Information

CTLA ID: 69966  
 Date Received: 3/14/2023  
 Sample Name: 10310 L-Theanine  
 Lot Number: 46997  
 Customer: Origin Nutraceutical

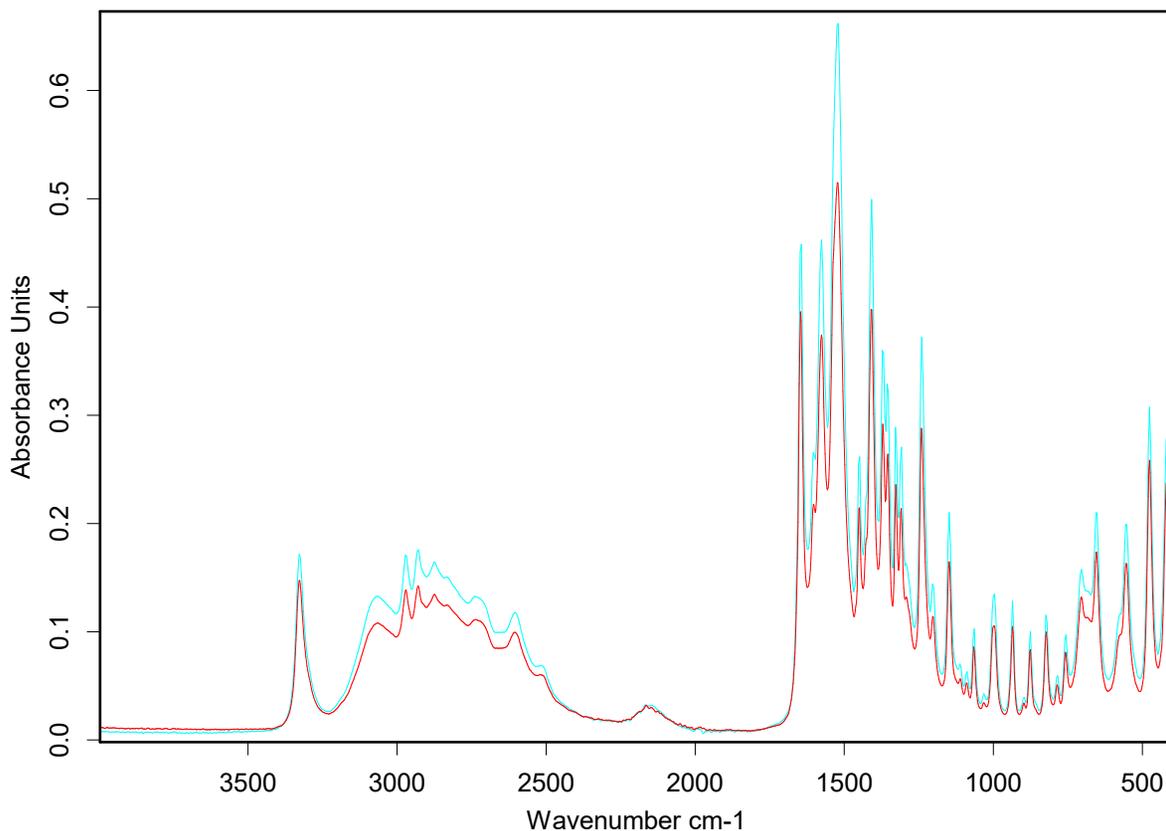
Analysis	Method	MDL Specification	Result	Units
ID	FTIR	Report	97.5	%
FTIR Spectra	FTIR	Report		
L-Theanine	HPLC	0.0750 Report	99.313	%

3/16/2023

DATE

Quality Manager

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Product Number	10310 L-Theanine 62382 Standard 3
Entry No.	292
Library name	ORIGIN STANDARDS LIBRARY.S01
Library description	Origin Nutraceutical
Copyright	Origin Nutraceutical Materials Only

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
	975	10310 L-Theanine 62382 Standard 3			

Color	File	Path	Spectrum Type
	69966-ON 10310 L-Theanine (46997).0	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\DATA\MEAS	Query Spectrum

6439 Alondra Blvd, Paramount, CA 90723, USA  
Tel (562) 633 8985, Fax (562) 633 8986  
Website: [nutrilandgroup.com](http://nutrilandgroup.com)  
Email: [nutrilandgroup@outlook.com](mailto:nutrilandgroup@outlook.com)



## Certificate of Analysis

Product:	Magnesium Glycinate 25%		
Batch:	12212809MGOG		
Manufacturing Date:	December 2021	Retesting Date:	December 2024
Content	Specification	Results	Methods
Appearance:	Off-white powder	Conforms	
Particle Size:	40-60 mesh	Conforms	Sieve
Magnesium (Mg):	≥25%	26%	ICP
Loss on Drying:	<8%	0.9%	105°C
PH:	8 - 11	10.5	USP
Heavy Metals:	<10 ppm	Conforms	ICP-MS
Arsenic (As):	<1 ppm	Conforms	ICP-MS
Cadmium (Cd):	<1 ppm	Conforms	ICP-MS
Lead (Pb):	<1 ppm	Conforms	ICP-MS
Mercury (Hg):	<1 ppm	Conforms	ICP-MS
Total Plate Count:	<1,000 cfu/g	Conforms	USP
Mold & Yeast:	<100 cfu/g	Conforms	USP
E. Coli:	Negative	Conforms	USP
Salmonella:	Negative	Conforms	USP
Staphylococcus Aureus:	Negative	Conforms	USP
GMO Statement:	Non-GMO		
Standard:	Food grade		
Treatment:	None		

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Digitally Signed By QC Director:

  
MICHAEL MA



Contract TESTING Laboratories

O F A M E R I C A

# Certificate of Analysis

## Sample Information

CTLA ID: 69968  
 Date Received: 3/14/2023  
 Sample Name: 10580 Magnesium Glycinate 25%  
 Lot Number: 43342/43419  
 Customer: Origin Nutraceutical

Analysis	Method	MDL Specification	Result	Units
ID	FTIR	Report	94.6	%
FTIR Spectra	FTIR	Report		

3/16/2023

DATE

Quality Manager

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CTLA ID: 55668  
 Date Received: 7/12/2022  
 Sample Name: 10580 DRM Magnesium Glycinate 25%  
 Lot Number: 43419  
 Customer: Origin Nutraceutical

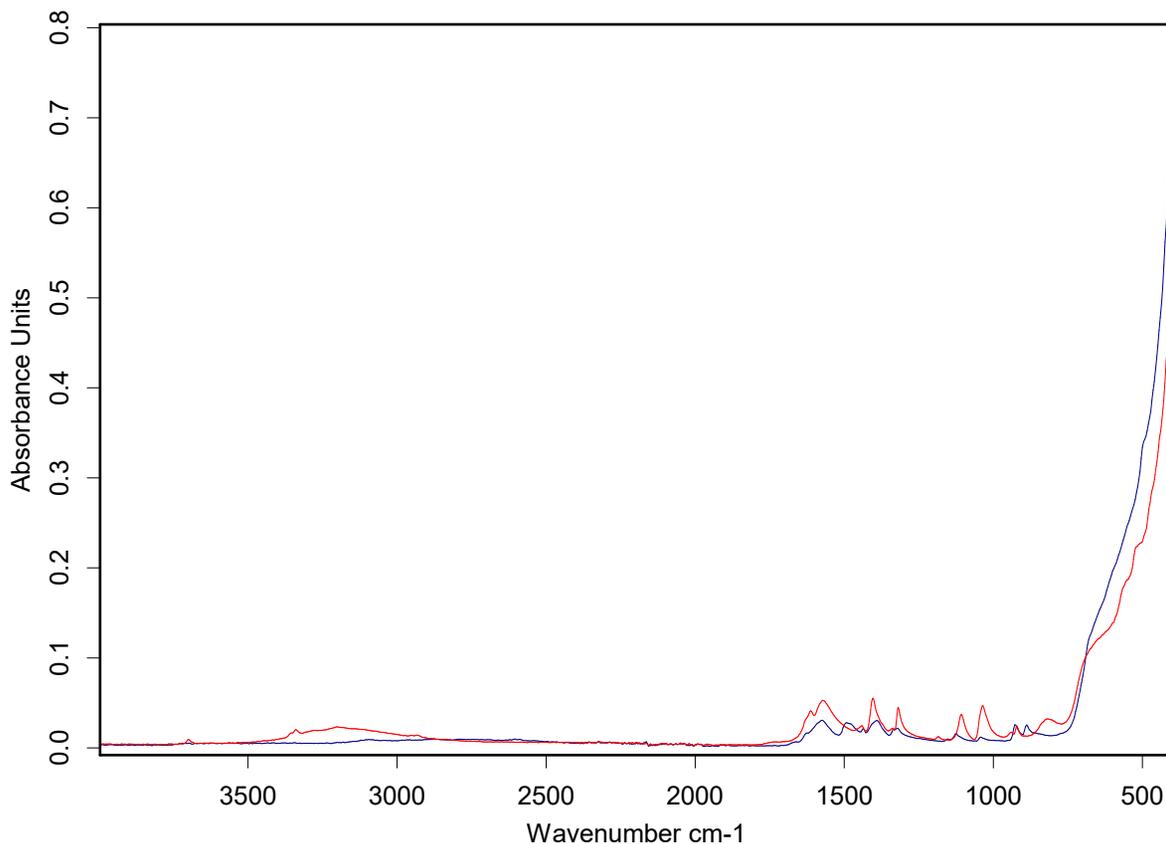
Analysis	Method	MDL Specification	Result	Units
Mineral Analysis	ICP-MS	0.00000 25-29 5	Magnesium 27.9853	%

Customer note: retest

7/20/2022  
 DATE

  
 Quality Manager

Specifications provided by the Customer. Results with an asterisk (\*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit.



Product Number	10580 Magnesium Glycinate 5309 Standard 1
Entry No.	932
Library name	ORIGIN STANDARDS LIBRARY.S01
Library description	Origin Nutraceutical
Copyright	Origin Nutraceutical Materials Only

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
	946	10580 Magnesium Glycinate 5309 Standard 1			

Color	File	Path	Spectrum Type
	69968-ON 10580 Magnesium Glycinate 25% (43342-43419)	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\DATA\MEAS	Query Spectrum

6439 Alondra Blvd, Paramount, CA 90723, USA  
 Tel (562) 633 8985, Fax (562) 633 8986  
 Website: [nutrilandgroup.com](http://nutrilandgroup.com)  
 Email: [nutrilandgroup@outlook.com](mailto:nutrilandgroup@outlook.com)



*Nutriland Group, Inc*

## Certificate of Analysis

Product: Melatonin  
 Chemical Name: N-Acetyl-5-Methoxytryptamine  
 Batch: KH-MT300-220415-1  
 Manufacturing Date: April 2022 Retesting Date: April 2024  
 CAS: 73-31-4  
 Origin: Nanjing Chrise Co, China

Content	Specification	Results	Methods
Appearance:	Off-white to white powder	Conforms	Visual
Particle Size:	80 mesh	Conforms	80 mesh screen
Chemical Formula:	$C_{13}H_{16}N_2O_2$		
Molecular Weight:	232.28		
Identification:	Positive	Conforms	IR
Assay:	≥99%	99.5%	USP40
Loss on Drying:	<1%	0.14%	USP40
Sulphated Ash:	<1%	Conforms	USP40
Solubility:	Insoluble in water	Conforms	
Acetic Acid:	<0.1%	Conforms	USP40
Ethyl Acetate:	<0.1%	Conforms	USP40
Heavy Metals:	<10 pm	Conforms	USP40
Arsenic:	<1.0 ppm	Conforms	USP40
Cadmium:	<0.3 ppm	Conforms	USP40
Lead:	<0.5 ppm	Conforms	USP40
Mercury:	<0.2 ppm	Conforms	USP40
Total Plate Count:	<1,000 cfu/g	Conforms	USP40
Mold & Yeast:	<50 cfu/g	Conforms	USP40
Coliforms:	<10 cfu/g	Conforms	USP40
E. Coli:	Negative	Conforms	USP40
Salmonella:	Negative	Conforms	USP40
Staphylococcus Aureus:	Negative	Conforms	USP40

GMO Statement: Non-GMO  
 Standard: USP food grade  
 Treatment: None  
 Peak E: None

### Nutritional Information

Calories:	0	Calcium:	0	Vitamin A:	0
Carbohydrate:	0	Potassium:	0	Vitamin Bs:	0
Fat:	0	Sodium:	0	Vitamin C:	0
Fiber:	0	Other Minerals:	0	Other Vitamins:	0

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Digitally Signed By QC Director:



Contract TESTING Laboratories

OF AMERICA

# Certificate of Analysis

## Sample Information

CTLA ID: 72256  
 Date Received: 4/14/2023  
 Sample Name: 10395 Melatonin  
 Lot Number: 47444  
 Customer: Origin Nutraceutical

Analysis	Method	MDL Specification	Result	Units
<b>Rapid Complete Micro</b>				
Total Aerobic Microbial Count	USP <2021>	100 Report	<100	cfu/g
Total Coliforms	USP <2021>	10 Report	<10	cfu/g
<i>E. coli</i>	USP <2022>	Report	Absent	
<i>Salmonella</i>	USP <2022>	Report	Absent	
<i>Staphylococcus aureus</i> <2022>	USP <2022>	Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10 Report	<10	cfu/g
<b>Melatonin</b>	HPLC	0.075 Report	101.886	%

4/24/2023

DATE

Quality Manager

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# Certificate of Analysis

## Sample Information

CTLA ID: 70052  
 Date Received: 3/15/2023  
 Sample Name: 10395 DRM Melatonin  
 Lot Number: 47444  
 Customer: Origin Nutraceutical

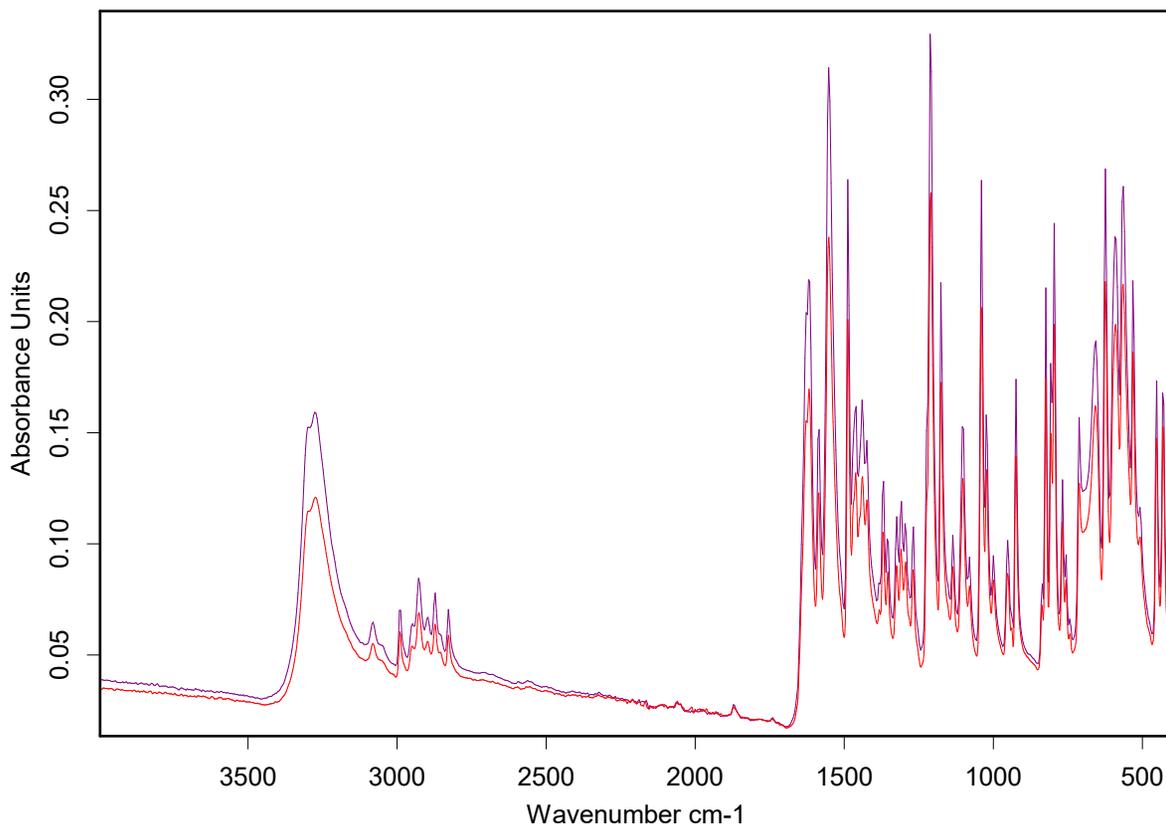
Analysis	Method	MDL Specification	Result	Units
ID	FTIR	Report	95.5	%

3/20/2023

DATE

Quality Manager

Specifications provided by the Customer. Results with an asterisk (\*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit. This document is not to be altered or reproduced except by the original authorizing body (CTLA)



Product Number	ON 10395 Melatonin (40985) Standard 2
Entry No.	3113
Library name	ORIGIN STANDARDS LIBRARY.S01
Library description	Origin Nutraceutical
Copyright	Origin Nutraceutical Materials Only

Color	Hit Quality	Compound name	CAS Number	Molecular formula	Molecular weight
	955	ON 10395 Melatonin (40985) Standard 2			

Color	File	Path	Spectrum Type
	70052-ON 10395 DRM Melatonin (47444).0	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\Data\MEAS	Query Spectrum