



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

## CERTIFICATE OF ANALYSIS AND QUALITY

Product	Omega Cardioprotector
SKU	OMEGA
Barcode	866033000253
Formula	2
Date	15 November 2023

### Label

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

**Use:** Take 2 capsules up to 4 times daily with meals, for a total of 2 to 8 capsules daily.

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

\* 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.



## OMEGA CARDIOPROTECTOR

Formula 2

Supports Healthy Heart Function  
and Circulation for Better Aging\*

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

### Supplement Facts

Serving Size 2 Capsules  
Servings Per Container 30

Amount Per Serving	% Daily Value
Omega 3 Lysine Complex 556 mg (AvailOm® 30% EPA, 15% DHA)	†
Garlic Bulb Extract (1% Allicin) 300 mg	†
Centella Asiatica Extract 60 mg (Gotu Kola 80% Triterpene)	†
French Maritime Pine Bark Extract 50 mg (Oligopin® 67% Procyanidin)	†

† Daily Value Not Established

Other Ingredients: Cellulose

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
Centella Asiatica Certificate of Analysis from Supplier
Centella Asiatica Certificate of Analysis from Third-Party Testing
French Maritime Pine Certificate of Analysis from Supplier
French Maritime Pine Certificate of Analysis from Third-Party Testing
Garlic Certificate of Analysis from Supplier
Garlic Certificate of Analysis from Third-Party Testing
Omega 3 Certificate of Analysis from Supplier
Omega 3 Certificate of Analysis from Third-Party Testing



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15 November 2023

RE: Letter of Guarantee for Thrivous Omega Cardioprotector

To whom it may concern,

The undersigned, Lincoln Cannon LLC DBA Thrivous (“Thrivous”), hereby guarantees as follows regarding Omega Cardioprotector (“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

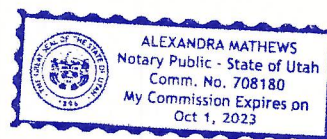
State of Utah, County of Salt Lake.

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

Travis Waller, 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.pjllabs.com](http://www.pjllabs.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</i> and Total Coliforms	AOAC 991.14	
		<i>Enterobacteriaceae</i>	AOAC 2003.01	
		Yeast and Mold	AOAC 2014.05	
		<i>Escherichia Coli</i> and Total Coliforms	AOAC 2018.13	
		Aerobic Plate Count	FDA BAM Ch. 3	
		<i>Escherichia Coli</i> and Total Coliforms	FDA BAM Ch. 4	Presence or Absence
		<i>Salmonella</i>	FDA BAM Ch. 5	
		<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</i> , <i>Staphylococcus Aureus</i> , <i>Salmonella</i> , <i>Listeria Monocytogenes</i>	USP 2022	Presence or Absence
		Aerobic Plate Count, Total Coliform, Yeast and Mold	USP <61>	
		<i>Escherichia Coli</i> , <i>Staphylococcus Aureus</i> , <i>Salmonella</i>	USP <62>	Presence or Absence



## 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

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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

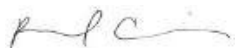
<b>CTLA ID</b>	88169	<b>Sample Name</b>	30330 Omega
<b>Customer</b>	Origin	<b>Lot Number</b>	2329301
<b>Date Received</b>	11/3/2023	<b>Date Complete</b>	11/8/2023
<b>Customer Address:</b>	151 E 3450 N, Spanish Fork, UT 84660		

ANALYSIS	SPECIFICATION	RESULT	METHOD	MDL	UNITS
Total Aerobic Microbial Count		<100	USP <2021>	100	cfu/g
Total Coliforms		<10	USP <2021>	10	cfu/g
<i>E. coli</i>		Absent	USP <2021>		
<i>Salmonella</i>		Absent	USP <2021>		
<i>Staphylococcus aureus</i> <2022>		Absent	USP <2021>		
Rapid Yeast Mold		<10	AOAC 2014.05	10	cfu/g
Arsenic		0.01	<USP 233>	0.001	ppm
Cadmium		0.01		0.001	
Mercury		<0.001		0.001	
Lead		0.03		0.001	
Other Ingredients: Cellulose		By Input			

**COA Note:**

Serving Size= 2  
Capsules

**Approved By:**



**Date:**

11/8/2023

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





**K-CAPS**  
Capsules of Vegetable Origin

456 Silver Creek Industrial Drive, TECUMSEH, ONTARIO N8N 4Y3 Tel:(519) 727-4618; Fax:(519)727-4619

## CERTIFICATE OF ANALYSIS EMPTY HARD CAPSULES OF VEGETABLE ORIGIN

LOT No.:	K2208002208	PRODUCT CODE:	KC0-1000	SIZE:	0
CAPSULE COLOR:	CAP - NATURAL 1-0K		/ BODY - NATURAL 1-0K		
PRINT:	N/A	TEXT:	N/A	INK COLOR:	N/A

CapsCanada® capsules are preservative free and manufactured under strict cGMP conditions. All empty capsules are manufactured from pharmaceutical cellulose ethers, which are polymers derived from vegetable sources. Cellulose used to manufacture empty hard capsules of vegetable origin by CapsCanada® meet the current USP/NF and EP requirements. CapsCanada® may blend pharmaceutical cellulose.

(% Ingredients to % Cellulose)			
Cap	%	Body	%
Due to the nature of the raw materials and technology improvements, the color formulation represents target values only. The actual values may differ slightly to ensure the consistency of the finished product.			

Date of Manufacture: 2022-09

Expiration Date: 2027-09

CRITERIA	METHOD / REFERENCE	SPECIFICATIONS	RESULTS
<b>ORGANOLEPTIC</b>			
Physical Form	Internal / Visual	Clean empty capsule shells meeting the specified color and size	Passes
Color		Meets the specified requirements	Passes
Odor	Internal / Organoleptic	Typical - Cellulose	Passes
<b>PHYSICAL</b>			
Visual Defects	Internal / Visual	Conforms to the established AQLs	Passes
Average Capsule Weight	Internal	101.0 - 113.0 mg	107.5
Loss on drying	USP	4.0% - 8.0%	4.3
Disintegration	USP	N.M.T. 15 min	Passes
<b>ANALYTICAL</b>			
Identification of HPMC	USP	Meets USP Requirements	Passes
Residue on Ignition *	USP	N.M.T. 1.5% Transparent capsules	Passes
		N.M.T. 6.0% colored capsules	
Arsenic *	USP (External)	N.M.T. 0.8 ppm	Passes
Cadmium *	USP (External)	N.M.T. 0.5 ppm	Passes
Lead *	USP (External)	N.M.T. 0.5 ppm	Passes
Mercury *	USP (External)	N.M.T. 0.1 ppm	Passes
Cobalt *	USP (External)	N.M.T. 5.0 ppm	Passes
Vanadium *	USP (External)	N.M.T. 10.0 ppm	Passes
Nickel *	USP (External)	N.M.T. 20.0 ppm	Passes
Total Aerobic Microbial Count	USP	N.M.T. 1000 cfu/g	<10
Total Yeasts and Molds count	USP	N.M.T. 100 cfu/g	<10
Salmonella	USP	Absence in 10 g	Absence
Escherichia Coli	USP	Absence in 1g	Absence
Staphylococcus aureus	USP	Absence in 1g	Absence
Pseudomonas aeruginosa	USP	Absence in 1g	Absence

Capsules are certified as Kosher and Halal.

Storage Conditions: Temperature: 15°C - 30°C Relative Humidity: 35% - 70% RH

\*Reduced Frequency Testing.

N.M.T. = No More Than

  
Quality Control

Date: 2022-10-11

Code: DCC-032E (Effective from July 1<sup>st</sup>, 2020)

Version 4

EDITION No: 2

MANUFACTURER ADDRESS: VIA 40 85-48 BARRANQUILLA COLOMBIA  
TELEPHONE (57-5)330-4100 FAX (57-5)330-4105



Contract TESTING Laboratories

O F A M E R I C A

# Certificate of Analysis

## Sample Information

CTLA ID: 83864  
Date Received: 9/14/2023  
Sample Name: 10449 Capsule, HPMC, 0, Clear, K-Cap  
Lot Number: 47001  
Customer: Origin Nutraceutical

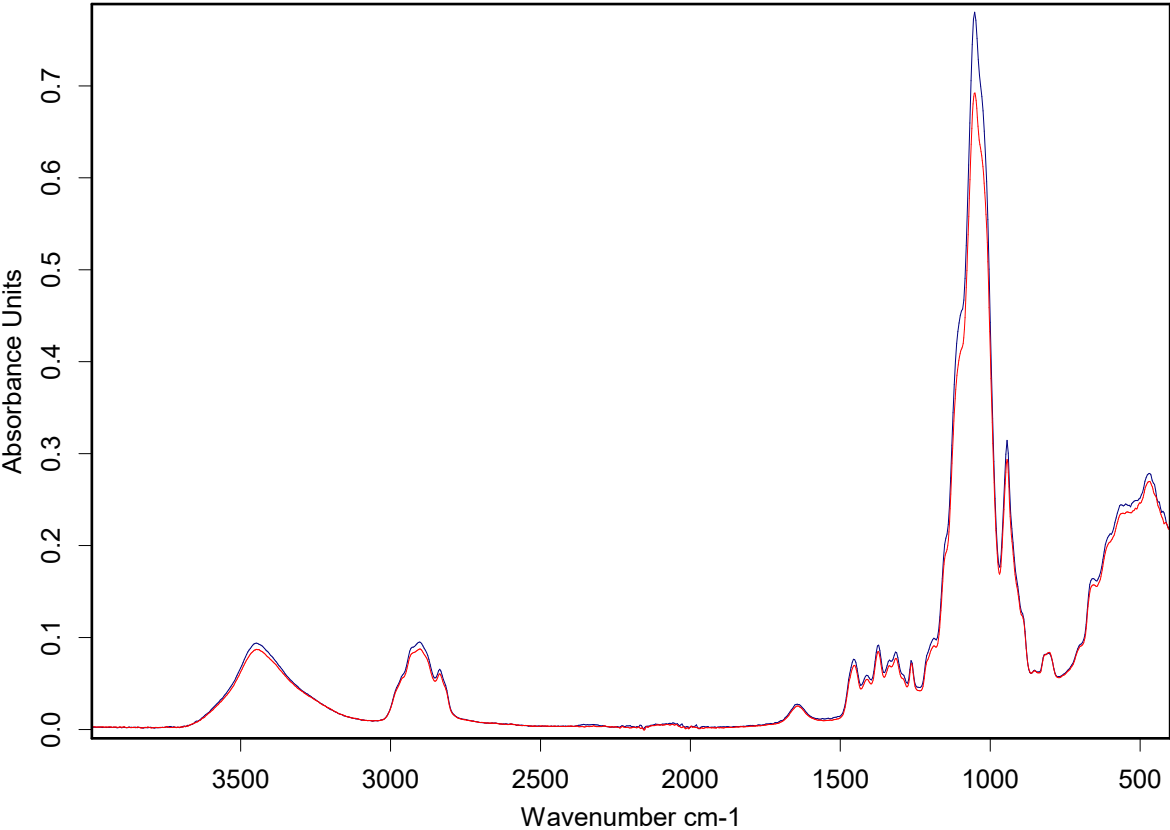
Analysis	Method	MDL	Specification	Result	Units
<b>ID, Rapid Complete Micro Combo</b>					
ID	FTIR		Report	97.6	%
Total Aerobic Microbial Count	USP <2021>	100	Report	100	cfu/g
Total Coliforms	USP <2021>	10	Report	<10	cfu/g
<i>E. coli</i>	USP <2022>		Report	Absent	
<i>Salmonella</i>	USP <2022>		Report	Absent	
<i>Staphylococcus aureus</i> <2022>	USP <2022>		Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10	Report	<10	cfu/g
<b>FTIR Spectra</b>					
	FTIR		Report		

9/18/2023

DATE

Quality Manager

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Product Number	10449 CPS O K-Cap HPMC 12092 Standard 3
Entry No.	1401
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
	976	10449 CPS O K-Cap HPMC 12092 Standard 3			

Color	File	Path	Spectrum Type
	83864-ON 10449 Capsule, HPMC, 0, Clear, K-Cap (47001).0	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\DATA\MEAS	Query Spectrum



# NANJING NUTRIHERB BIOTECH CO., LTD

Tel: (86)25 58862502  
Http://www.naturemfg.com

Mob: (86)17368474896  
E-mail:sales@naturemfg.com

## Certificate of Analysis

**Product Name** Gotu Kola Extract  
**Manufacturing Date** 2023-06-18  
**Testing Date** 2023-06-18  
**Botanical Source** *Centella Asiatica*  
**Expiration Date** 2025-06-17  
**Batch Number** 20230618  
**Batch Quantity** 25kgs

Analysis Item	Specification	Analysis Result	Method
Appearance	Light Yellow Powder	Complied	Visual
Odour	Characteristic	Characteristic	Organoleptic
Taste	Characteristic	Characteristic	Organoleptic
Loss on drying (%)	≤5.0	2.17	USP
Particle Size	100%Through 80 mesh	100%	USP < 786 >
Part Used	Whole	Complied	N/A
Method of Extraction	Soak and Extraction	Complied	N/A
Extraction Solvents	Food Grade Water&Alcohol	Complied	N/A
Identification	Complies by TLC	Complied	TLC
<b>Assay Total triterpenes (%)</b>	≥ 80%	81.52%	HPLC
<b>Asiaticoside(%)</b>	≥15%	17.33%	HPLC
<b>Madecassoside (%)</b>	≥30%	35.81%	HPLC
<b>Asiaticoside B (%)</b>	≥20%	28.38%	HPLC
<b>Heavy Metal Analysis</b>			
Residual solvent ethanol	< 5000ppm	< 10ppm	GC
Lead (Pb)	≤2.0ppm	Complied	ICP-OES(CQ-MO-247)
Arsenic (As)	≤2.0ppm	Complied	ICP-OES(CQ-MO-247)
Mercury (Hg)	≤0.1ppm	Complied	ICP-OES(CQ-MO-247)
Cadmium (Cd)	≤1.0ppm	Complied	ICP-OES(CQ-MO-247)
<b>Microbial Analysis</b>			
Total Plate Count (CFU/g)	≤1,000	Complied	FDA-BAM
Yeast and Moulds (CFU/g)	≤100	Complied	FDA-BAM
Coliforms (MPN/g)	Not detected	Not detected	FDA-BAM
E. Coli (/g)	Not detected	Not detected	FDA-BAM
Salmonella (/25g)	Not detected	Not detected	FDA-BAM
Staphylococcus(/25g)	Not detected	Not detected	FDA-BAM

### Safety Information

#### Storage

#### Shelf Life

The raw plant material complies to EP regarding Heavy Metals ,mycotoxins and Pesticides Residues,according to EC396/2005,EC178/2006,and all related regulations regarding maximum residue levels (MRL) of pesticides in or on food products.

This product is not irradiated and is non-GMO according to EC 1829/2003 and EC 1830/2003 .

This products contains no ingredients which might pose a BSE/TSE risk.

Store in sealed containers at cool & dry place.

2 years if sealed and store away from direct sun light.

Tested by:



Approved by:



Contract TESTING Laboratories

O F A M E R I C A

# Certificate of Analysis

## Sample Information

CTLA ID: 82324  
Date Received: 8/25/2023  
Sample Name: 11040 DRM Gotu Kola 80% Triterpenes  
Lot Number: 49969  
Customer: Origin Nutraceutical

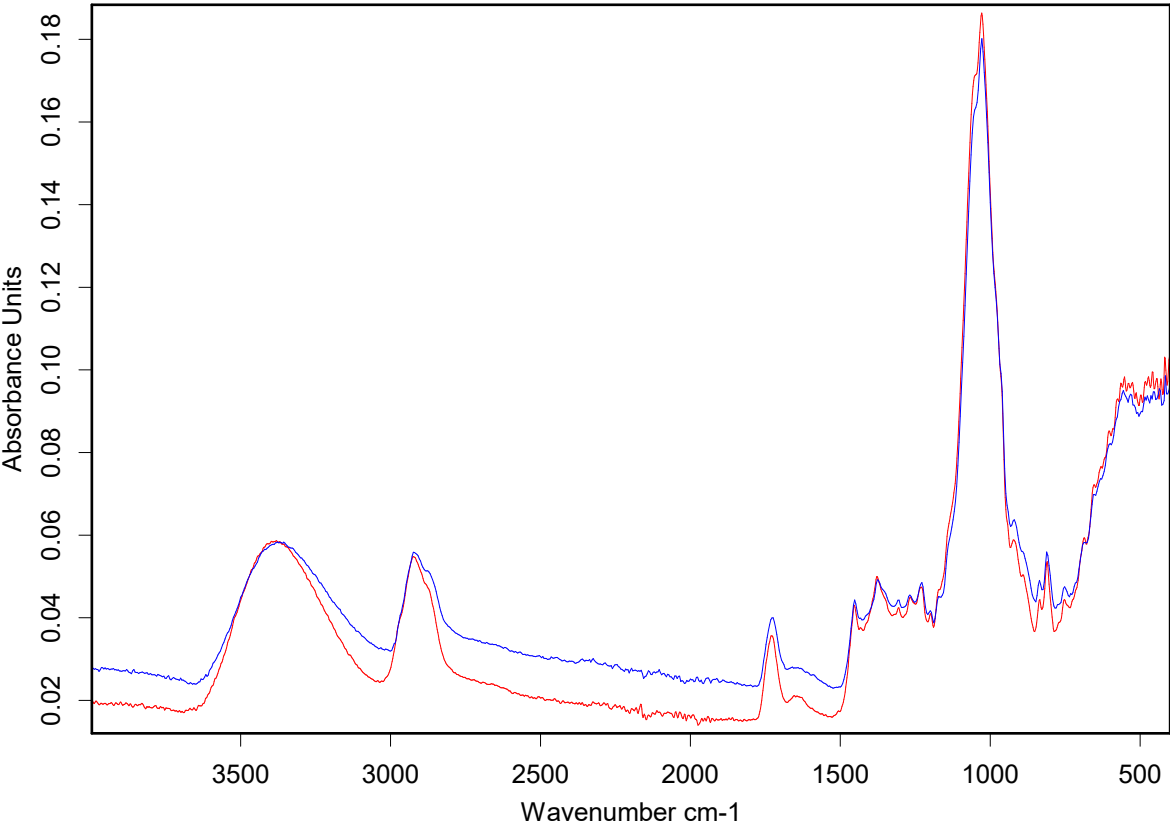
Analysis	Method	MDL	Specification	Result	Units
<b>ID, Rapid Complete Micro Combo</b>					
ID	FTIR		Report	94.8	%
Total Aerobic Microbial Count	USP <2021>	100	Report	100	cfu/g
Total Coliforms	USP <2021>	10	Report	<10	cfu/g
<i>E. coli</i>	USP <2022>		Report	Absent	
<i>Salmonella</i>	USP <2022>		Report	Absent	
<i>Staphylococcus aureus</i> <2022>	USP <2022>		Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10	Report	<10	cfu/g

8/29/2023

DATE

Quality Manager

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Product Number	ON 11040 DRM Gotu Kola 80% Triterpenes (3
Entry No.	2261
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
	948	ON 11040 DRM Gotu Kola 80% Triterpenes (30968) Standard 3			

Color	File	Path	Spectrum Type
	82324-ON 11040 (DRM Gotu Kola 80% Triterpenes (49969)	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\Data\MEAS	Query Spectrum

# Certificate of Analysis

## Sample Information

CTLA ID: 83861  
Date Received: 9/14/2023  
Sample Name: 11040 Gotu Kola 80% Triterpenes  
Lot Number: 49969  
Customer: Origin Nutraceutical

Analysis	Method	MDL Specification	Result	Units
Triterpene	HPLC	0.002 80	81.1	%
Gotu Kola Extract	HPTLC	Report	Characteristic	

**HPTLC:** Fingerprint of test solution is consistent with reference standard *Centella Asiatica* (gotu kola extract).

10/5/2023

DATE

Quality Manager

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## Les Dérivés Résiniques et Terpéniques

30 rue Gambetta - BP 90206 - 40105 DAX Cedex - FRANCE  
 Tél: +33 5 58 56 62 00 - eMail: drtsales@drt.fr - web: www.drt.fr  
 SAS au capital de 19 961 200 € - Siret 985 520 154 00016  
 R.C.S. DAX - APE 2014Z - n° TVA: FR 86985520154

# Certificate of Analysis

**Date :** 2023/08/24  
**Material Reference :** 8200.831 OLIGOPIN  
**Customer Material Reference :**  
 11041 OLIGOPIN PUREXPRT  
**Lot Number :** 1000211631  
**Quantity :** 2.000 KG  
**Manufacturing Date :** 2023/03/13  
**Best Before Date :** 2028/03/11  
**Customer Number :** 1000008205  
**Order Reference :** 62478  
**Customer Order Reference :** 8210  
**Delivery Note Number :** 80142092  
**Registration :** EL168CQ

**Customer :** ORIGIN NUTRACEUTICAL, INC.  
 151 E 3450 N  
 84660 SPANISH FORK USSFU UT US USA

**Email :** purchasing@originnutra.com

**Extract type :** French Maritime Pine bark ext.

... (Pinus pinaster)

**Plant Extract Ratio :** 1000:1

**Extraction type :** Please refer to flowchart

**Additive in the extract :** No additives

**Restriction on use :** No

**Pesticides :** EU Pines

... Pine bark extract not listed within Regulation (EC) 396/2005. By default, Ph. Eur is the reference

**Contaminants :** EU

... Dioxins, PAH, Mycotoxins, Heavy Metals : Complies with Regulation (EC) No 1881/2006 and its successive modifications

**Shelf life :** 5 years

**Country of origin :** France

**Professional use :** Yes

... Product intended to be used as food supplement ingredient

Characteristic	Unit	Value	Type Value	Lower Limit	Upper Limit	Method of Analysis
Appearance	-	CONFORM				Visual
Color: brownish red	-	CONFORM				DRT 6903
Odour: Woody caract.	-	CONFORM				DRT 6917
pH 20°C (4% deionised w.)	-	2.9		2,5	4,5	DT_3301
Insoluble in water (20°C)	%	1.6			5,0	DRT 3882
Insoluble in THF	%	0.4			1,0	DRT 3884
Sulphuric ashes	%	0.01			0,50	PH.EUR 2.4.14
Absorbance UV at 281 nm	-	150		145	175	PH.EUR 2.2.25
Procyanidin - Porter	%	72	65			DT_2152

\* Annual monitoring

DRT methods : available upon request

This document has been produced electronically and is effective without a signature

This product was produced in accordance with the guidelines and monitored in every manufacturing stage



2023/08/24



## Les Dérivés Résiniques et Terpéniques

30 rue Gambetta - BP 90206 - 40105 DAX Cedex - FRANCE  
Tél: +33 5 58 56 62 00 - eMail: drtsales@drt.fr - web: www.drt.fr  
SAS au capital de 19 961 200 € - Siret 985 520 154 00016  
R.C.S. DAX - APE 2014Z - n° TVA: FR 86985520154

## Certificate of Analysis

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11041 OLIGOPIN PUREXPRT  
**Lot Number :** 1000211631  
**Quantity :** 2.000 KG  
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**Best Before Date :** 2028/03/11  
**Customer Number :** 1000008205  
**Order Reference :** 62478  
**Customer Order Reference :** 8210  
**Delivery Note Number :** 80142092  
**Registration :** EL168CQ

**Customer :** ORIGIN NUTRACEUTICAL, INC.  
151 E 3450 N  
84660 SPANISH FORK USSFU UT US USA

**Email :** purchasing@originnutra.com

Characteristic	Unit	Value	Type Value	Lower Limit	Upper Limit	Method of Analysis
Procyanidin content (GPC)	%	71.7		67,0		DRT 1610
Monomeres	%	28.3	28,0			DRT 1610
Dimeres	%	17.4	18,0	15,0		DRT 1610
Trimeres + Tetrameres	%	54.3	50,0			DRT 1610
Water (extract. solvent)	%	3.2			5,0	PH.EUR 2.2.32
Ethyl acetate	mg/kg	< 10			10	DT_1251
Co-solvent: alpha pinene	mg/kg	< 5			5	DRT 1253
Lead content	mg/kg	< 0.13			3,00	EXTERNE
Arsenic content	mg/kg	< 0.13			0,50	EXTERNE
Mercury content	mg/kg	< 0.01			0,10	EXTERNE
Cadmium content (mg/kg)	mg/kg	0.03			1,00	EXTERNE
TAMC (<1000 CFU/g)	-	CONFORM				PH.EUR 2.6.12
TYMC (<100 CFU/g)	-	CONFORM				PH.EUR 2.6.12
Salmonella (abs CFU/25g)	-	CONFORM				PH.EUR 2.6.31
Escherichia C. (abs CFU/g)	-	CONFORM				PH.EUR 2.6.13
Gram- bact (<100 CFU/g)	-	CONFORM				PH.EUR 2.6.31
Staph.Aureus (abs CFU/g)	-	CONFORM				PH.EUR 2.6.13

\* Annual monitoring

DRT methods : available upon request

This document has been produced electronically and is effective without a signature  
This product was produced in accordance with the guidelines and monitored in every manufacturing stage

Page 2 of 3



## Les Dérivés Résiniques et Terpéniques

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SAS au capital de 19 961 200 € - Siret 985 520 154 00016  
R.C.S. DAX - APE 2014Z - n° TVA: FR 86985520154

# Certificate of Analysis

**Date :** 2023/08/24  
**Material Reference :** 8200.831 OLIGOPIN  
**Customer Material Reference :**  
11041 OLIGOPIN PUREXPRT  
**Lot Number :** 1000211631  
**Quantity :** 2.000 KG  
**Manufacturing Date :** 2023/03/13  
**Best Before Date :** 2028/03/11  
**Customer Number :** 1000008205  
**Order Reference :** 62478  
**Customer Order Reference :** 8210  
**Delivery Note Number :** 80142092  
**Registration :** EL168CQ

**Customer :** ORIGIN NUTRACEUTICAL, INC.  
151 E 3450 N  
84660 SPANISH FORK USSFU UT US USA

**Email :** purchasing@originnutra.com

Characteristic	Unit	Value	Type Value	Lower Limit	Upper Limit	Method of Analysis
Liste. Mono. (<100 CFU/g)	-	CONFORM				EXTERNE
Pseudomonas.Aerug (abs/g)	-	CONFORM				PH.EUR.2.6.13
Clostridium (abs CFU/g)	-	CONFORM				PH.EUR.2.6.13
Candida Albi. (abs CFU/g)	-	CONFORM				PH.EUR.2.6.13
Aflatoxin B1 (<2 µg/kg)*	-	CONFORM				EXTERNE
Aflat.B1+B2+G1+G2 (<4 µg/kg)*	-	CONFORM				EXTERNE
Ochratoxine A (<2 µg/kg)*	-	CONFORM				EXTERNE
Pesticide content*	-	CONFORM				PH.EUR.2.8.13
Benzo(a) pyren (<10 µg/kg)*	-	CONFORM				EXTERNE
Sum of PAH (<50 µg/kg)*	-	CONFORM				EXTERNE
Dioxins (<0,75 pg/g)*	-	CONFORM				EXTERNE
Sum of PCBs (<40 ng/g)*	-	CONFORM				EXTERNE
Dioxins + PCB (<1,25 pg/g)*	-	CONFORM				EXTERNE
Product File Validation	-	CONFORM				PROD

\* Annual monitoring

DRT methods : available upon request

# Certificate of Analysis

## Sample Information

CTLA ID: 83603  
 Date Received: 9/11/2023  
 Sample Name: 11041 DRM Oligopin PUR'expert  
 Lot Number: 50293  
 Customer: Origin Nutraceutical

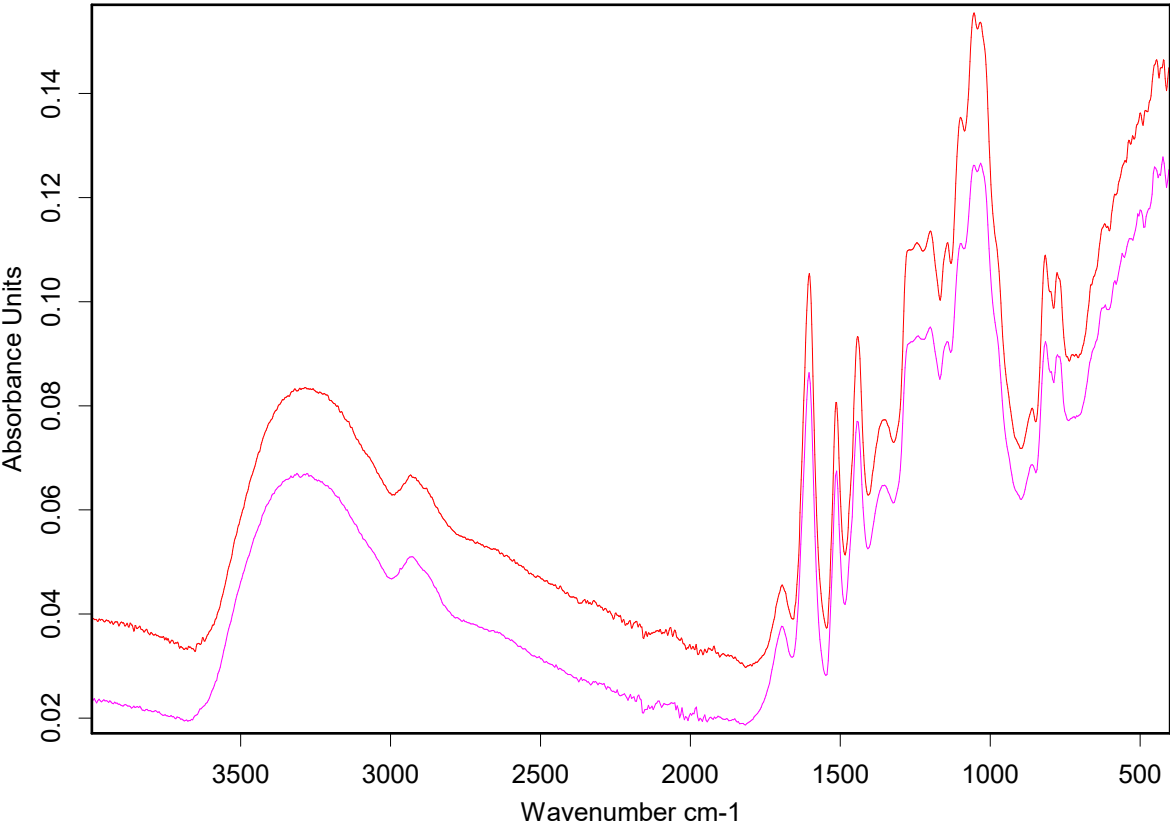
Analysis	Method	MDL	Specification	Result	Units
<b>ID, Rapid Complete Micro Combo</b>					
ID	FTIR		Report	94.5	%
Total Aerobic Microbial Count	USP <2021>	100	Report	100	cfu/g
Total Coliforms	USP <2021>	10	Report	<10	cfu/g
<i>E. coli</i>	USP <2022>		Report	Absent	
<i>Salmonella</i>	USP <2022>		Report	Absent	
<i>Staphylococcus aureus</i> <2022>	USP <2022>		Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10	Report	<10	cfu/g

9/13/2023

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 11041 DRM Oligopin PUR Expert (31406)
Entry No.	2319
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
	945	ON 11041 DRM Oligopin PUR Expert (31406) Standard 1			

Color	File	Path	Spectrum Type
	83603-ON 11041 DRM Oligopin PURexpert (50293).2	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\Data\MEAS	Query Spectrum

# Certificate of Analysis

## Sample Information

CTLA ID: 83862  
Date Received: 9/14/2023  
Sample Name: 11041 Oligopin PUR'expert  
Lot Number: 50293  
Customer: Origin Nutraceutical

Analysis	Method	MDL Specification	Result	Units
Procyanidin	HPLC	0.002 67	69.3	%
French Maritime Pine Bark Extract	HPTLC	Report	Characteristic	

**HPTLC:** Fingerprint of test solution is consistent with reference standard *Pinus Maritima* (pine bark extract).

10/5/2023

DATE

Quality Manager

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5625 Daniels Street, Chino, CA 91710

Tel: 909-628-2600 Fax: 909-628-8110 www.AuNutra.com

## Certificate of Analysis

<b>Product Name</b>	Deodorized Garlic P.E.	<b>Botanical Source</b>	<i>Allium Sativum L.</i>
<b>Part Used</b>	Garlic Bulb	<b>Country of Origin</b>	China
<b>Solvent Used</b>	Water	<b>Carrier Used</b>	None
<b>Batch Number</b>	GA230212	<b>Manufacture Date</b>	02.12.2023

ANALYSIS	SPECIFICATION	RESULTS	TEST METHODS
Assay	NLT1.00% Allicin	1.20%	HPLC
	NLT2.00% Alliin	2.52%	HPLC
<b>Chemical Physical Control</b>			
Characters/Appearance	Fine Powder	Conforms	Visual
Color	White to Pale Yellow	Conforms	Visual
Odor	Deodorized	Conforms	Organoleptic
Taste	Characteristic	Conforms	Organoleptic
Mesh Size/Sieve Analysis	NLT90% through 80 mesh	Conforms	80 Mesh Sieves
Loss on drying	NMT10%	4.80%	USP<731>
Heavy Metals	NMT10ppm	Conforms	ICP-MS
Arsenic (As)	NMT2ppm	0.310ppm	ICP-MS
Lead (Pb)	NMT2ppm	0.900ppm	ICP-MS
Mercury (Hg)	NMT2ppm	0.060ppm	ICP-MS
Cadmium (Cd)	NMT2ppm	0.420ppm	ICP-MS
Pesticide Residue	Meets the requirement	Conforms	USP<561>
Solvents Residue	NMT5,000ppm	Conforms	USP<467>
Sterilization Method	High Temperature Pressure	Conforms	PSL
<b>Microbiology Control</b>			
Total Plate Count	NMT10,000cfu/g	650cfu/g	AOAC
Total Yeast & Mold	NMT1,000cfu/g	40cfu/g	AOAC
E.Coli	Negative	Conforms	AOAC
Salmonella	Negative	Conforms	AOAC
Staphylococcus	Negative	Conforms	AOAC

<b>Package &amp; Storage</b>	Packed in paper-drums and two plastic bags inside. Store in a well-closed container away from moisture
<b>Shelf Life</b>	Three years if sealed and store away from direct sun light. SC: TH-GE220215

Approved by QA/QC PW

Date: 03.15.2023



# Certificate of Analysis

## Sample Information

CTLA ID: 73994  
Date Received: 5/11/2023  
Sample Name: 10620 DRM Garlic 1% Allicin/2% Allin  
Lot Number: 48251  
Customer: Origin Nutraceutical

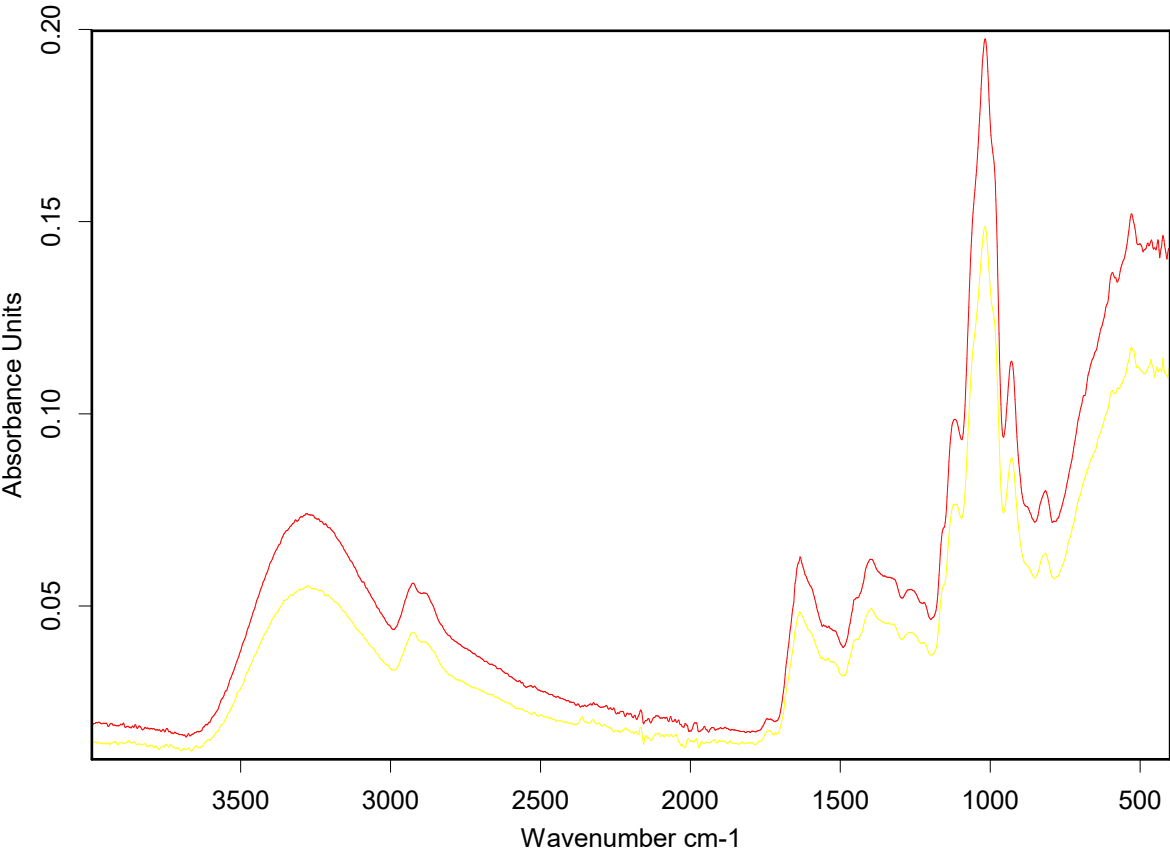
Analysis	Method	MDL	Specification	Result	Units
<b>ID, Rapid Complete Micro Combo</b>					
ID	FTIR		Report	95.5	%
Total Aerobic Microbial Count	USP <2021>	100	Report	1,200	cfu/g
Total Coliforms	USP <2021>	10	Report	<10	cfu/g
<i>E. coli</i>	USP <2022>		Report	Absent	
<i>Salmonella</i>	USP <2022>		Report	Absent	
<i>Staphylococcus aureus</i> <2022>	USP <2022>		Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10	Report	<10	cfu/g

5/15/2023

DATE

Quality Manager

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Product Number	ON 10620 DRM Garlic 1% Allicin 2% Allin (482
Entry No.	3176
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
	970	ON 10620 DRM Garlic 1% Allicin 2% Allin (48251) Standard 2			

Color	File	Path	Spectrum Type
	83860-ON 10620 Garlic 1% Allicin 2% Allin (48251).0	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\DATA\MEAS	Query Spectrum



# Certificate of Analysis

## Sample Information

CTLA ID: 83860  
Date Received: 9/14/2023  
Sample Name: 10620 Garlic 1% Allicin/2% Allin  
Lot Number: 48251  
Customer: Origin Nutraceutical

Analysis	Method	MDL Specification	Result	Units
ID	FTIR	Report	97.0	%
FTIR Spectra	FTIR	Report	Attached	
Garlic Extract	HPTLC	Report	Characteristic	mg/g
Allicin	HPLC	0.002 1	1.06	%

**HPTLC:** Fingerprint of test solution is consistent with reference standard *Allium Sativum* (garlic bulb extract).

10/5/2023

DATE

Quality Manager

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Evonik Rexim S.A.S., 80400 Ham, France

**Certificate of Analysis**

Date

Sep 2, 2021

Product AvailOm® 50 High EPA  
 CAS n°127964-03-8  
 Manufactured according to HACCP  
 90258091A2  
 Batch 8095201003  
 Manufacturing date Oct 01, 2020  
 Recommended date of retesting Oct 01, 2024

Property	Test method	Unit	Value	Specification	
				Min.	Max.
Appearance			Complies	Yellowish to brownish powder	
Identification			Complies	Retention time EPA and DHA	
Sum EPA + DHA as FFA (% w/w)		%	53	46	57
EPA as FFA (% w/w)		%	36	31	37
DHA as FFA (% w/w)		%	16	15	20
L-Lysine (% w/w)		%	32	30	34
Other fatty acids (*)			Approx. 9 - 24 (%W/W)	Approx. 9 - 24 (%W/W)	
TOTOX Value (AV + 2PV)			< 3		26
Water (% w/w)		%	0,2		1,0
Residue on ignition (% w/w)		%	0,1		0,5
Sum Dioxins&Furans (PCDDs and PCDFs)(*)			<=1.75		1,75
Dioxin-like PCBs (pg WHO-TEQ/g) (*)			<=3		3
Sum PCBs28,52,101,138,153,180(ng/g)(*)			<=90		90
Sum dioxins&Furans+Dioxin-like PCBs (*)			<=3		3

Product AvailOm® 50 High EPA CAS n°127964-03-8  
 Manufactured according to HACCP 90258091A2

Date

Page 2 of 2

Sep 2, 2021

Batch 8095201003

Property	Test method	Unit	Value	Specification	
				Min.	Max.
Benzo(a)pyrene (µg/kg) (*)			<=2.0		2,0
Sum benzo(a)pyrene & 3 other PAH (*)			<=10		10
Arsenic (*)		ppm	<=0.1		0,1
Cadmium (*)		ppm	<=0.1		0,1
Mercury (*)		ppm	<=0.1		0,1
Lead (*)		ppm	<=0.1		0,1
Iron (*)		ppm	<=30		30
Total aerobic germ at 30°C (CFU) (*)		/g	<=1000		1000
Yeasts and moulds (CFU) (*)		/g	<=100		100
Escherichia coli (CFU/10g) (*)			0		0
Pseudomonas aeruginosa (CFU) (*)		/g	0		0
Salmonella Species (CFU/25g) (*)			0		0
Staphylococcus aureus (CFU) (*)		/g	0		0
Guaranteed by regular monitoring (*) :			Conform		

UD date Aug 31, 2021 UD name A29368 Audrey Anastase

UD date = Release date

UD name = Authorized personnel of the quality unit

Manufacturer:

Evonik Rexim S.A.S.; 33, Rue de Verdun; 80400 Ham; France;

Tel. +33 3 23 81 00 25

Product complies to the specification.

This document has been produced electronically and is effective without a signature

\*\*\* End \*\*\*

# Certificate of Analysis

## Sample Information

CTLA ID: 83243  
Date Received: 9/6/2023  
Sample Name: 11042 DRM AvailOm High EPA (30% EPA, 15% DHA)  
Lot Number: 50242  
Customer: Origin Nutraceutical

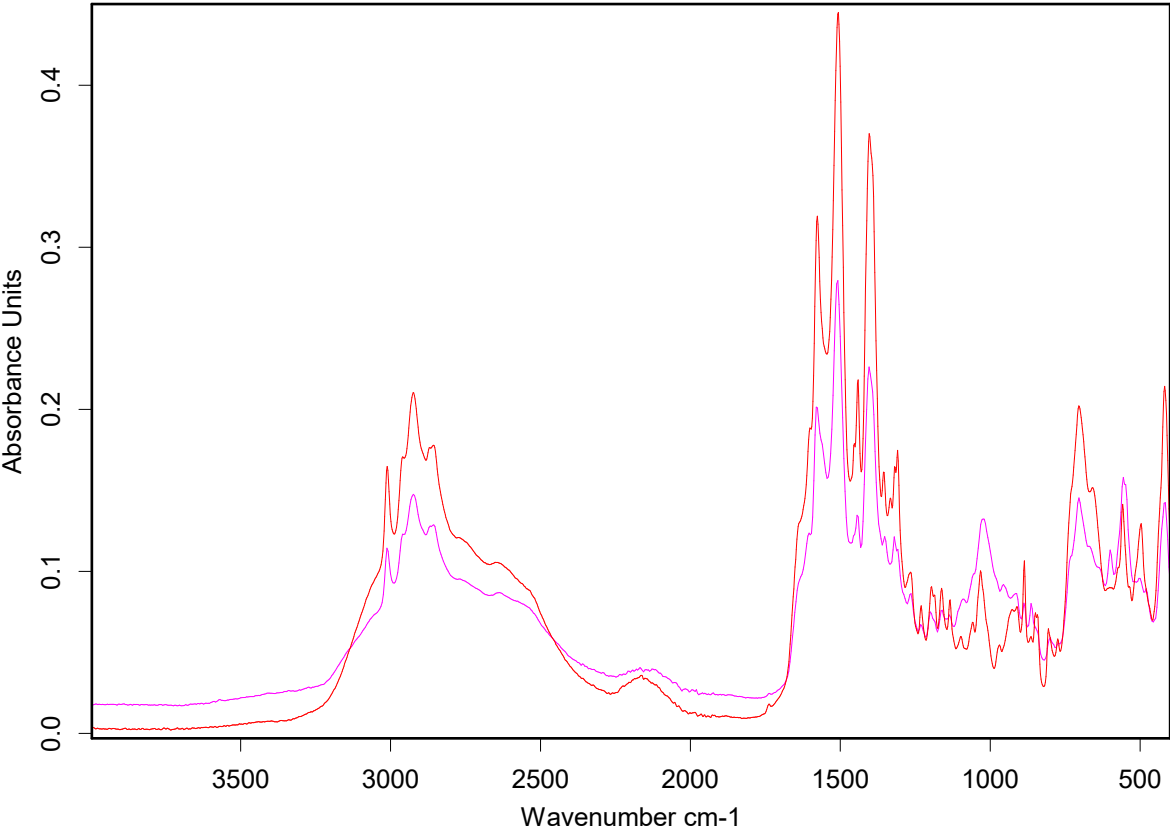
Analysis	Method	MDL	Specification	Result	Units
<b>ID, Rapid Complete Micro Combo</b>					
ID	FTIR		Report	86.5	%
Total Aerobic Microbial Count	USP <2021>	100	Report	<100	cfu/g
Total Coliforms	USP <2021>	10	Report	<10	cfu/g
<i>E. coli</i>	USP <2022>		Report	Absent	
<i>Salmonella</i>	USP <2022>		Report	Absent	
<i>Staphylococcus aureus</i> <2022>	USP <2022>		Report	Absent	
Rapid Yeast and Mold	AOAC 2014.05	10	Report	<10	cfu/g

9/8/2023

DATE

Quality Manager

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Product Number	ON 11042 DRM AvailOm High EPA (30% EPA,
Entry No.	2246
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
	865	ON 11042 DRM AvailOm High EPA (30% EPA, 15% DHA) (30626) Standard 1			

Color	File	Path	Spectrum Type
	83243-ON 11042 DRM AvailOm High EPA (30% EPA, 15% D	C:\Users\CTLA Admin\Documents\Bruker\OPUS_7.5.18\Data\MEAS	Query Spectrum

# Certificate of Analysis

## Sample Information

CTLA ID: 83863  
Date Received: 9/14/2023  
Sample Name: 11042 AvailOm High EPA (30% EPA, 15% DHA)  
Lot Number: 50242  
Customer: Origin Nutraceutical

Analysis	Method	MDL Specification	Result	Units
Total Omega 3	GC FID	0.10000 Report	70.643	%
DHA/EPA Combo				
EPA	GC-FID	0.10000 30	50.895 *	%
DHA	GC-FID	0.10000 15	19.590	%

9/19/2023

DATE

Quality Manager

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