

Product	All Ingredients	Organic Ingredients	Total Organic %	Certificate #	Key	
					Certificate #	File name
<b>ACTIVATE BODY WASH</b>	Aloe Barbadensis (Aloe) Raw Juice*Glycerin, Decyl Glucoside (From Coconut)***, Sodium Lauroyl Lactylate (From Corn)***, Bentonite Clay**, Maris Sal (Dead Sea Salt)**, Persea Gratissima (Avocado) Oil*, Ascophyllum Nodosum (Kelp) Powder*, Leuconostoc Ferment Filtrate (From Radish)***, Pumice (Volcanic Ash), Activated Charcoal Powder***, Glyceryl Oleate (From Vegetable Oils)***, Eucalyptus Radiata (Eucalyptus) Essential Oil*, Abies Balsamea L. (Balsam Fir) Essential Oil*, Juniperus Virginiana (Virginia Cedarwood) Essential Oil**, Cedrus Atlantica (Atlas Cedar)*, Xanthan Gum (From Sugar), Bursera Graveolens (Palo Santo) Essential Oil**, Vetiveria Zizanioides (Vetiver) Essential Oil*	Persea Gratissima (Avocado) Oil*	3%	1	1	Avocado Certificate
		Aloe Barbadensis (Aloe) Raw Juice*	27.52%	2	2	Aloe Certificate
		Cedrus Atlantica (Atlas Cedar)*	0.75%	3	3	Atlas Cedarwood Certificate
		Vetiveria Zizanioides (Vetiver) Essential Oil*	0.02%	4	4	Vetiver Certificate
		Eucalyptus Radiata (Eucalyptus) Essential Oil*,	1.77%	5	5	Eucalyptus Certificate
		Abies Balsamea L. (Balsam Fir) Essential Oil	0.72%	6	6	Balsam Fir Certificate
		Ascophyllum Nodosum (Kelp) Powder*	3%	7	7	Kelp Certificate
<b>PURIFY FACE WASH</b>	Aloe barbadensis (ALOE) raw juice*, montmorillonite (green CLAY)**, glycerin (from VEGETABLE oils), kaolinite (white CLAY)**, Maris sal (DEAD SEA SALT)**, Solanum tuberosum (POTATO) starch*, decyl glucoside (from COCONUT)***, sodium lauroyl lactylate (from non-gmo CORN)***, bentonite (CLAY)**, Simmondsia chinensis (JOJOBA) seed oil*, leuconostoc ferment filtrate (from RADISH)**, Olea europaea (OLIVE) leaf, xanthan gum (from SUGAR BEET), Melaleuca alternifolia (TEA TREE) essential oil*, Citrus aurantifolia (LIME) essential oil*, Cupressus sempervirens (CYPRESS) leaf essential oil**, Cymbopogon martinii (PALMAROSA) essential oil*	Aloe Barbadensis (Aloe) Raw Juice*	34.13%	2	8	Potato Starch Certificate
		Solanum Tuberosum (Potato) Starch*	7.56%	8	9	Jojoba Certificate
		Simmondsia Chinensis (Jojoba) Seed Oil*	3.80%	9	10	Tea Tree Certificate
		Melaleuca Alternifolia (Tea Tree) Essential Oil*	0.33%	10	11	Lime Certificate
		Citrus Aurantifolia (Lime) Essential Oil*	0.30%	11	12	Palmarosa Certificate
		Cymbopogon martinii (PALMAROSA) essential oil*	0.22%	12	13	Olive Leaf Hydrosol Certificate
<b>REFRESH MINERAL MIST</b>	Hydrosol Blend [Olea Europaea (Olive) Leaf*, Calendula Officinalis (Calendula) Flower*, Aloysia Citrodora (Lemon Verbena) Leaf*, Trifolium Pratense (Red Clover) Flower*, Rubus Idaeus (Raspberry) Leaf*, Lavandula Angustifolia (Lavender)*], Achillea Millefolium (Yarrow) (and) Propanediol (From Non-GMO Corn)***, Methylsulfonylmethane (Sulphur), Malachite (Copper) Extract, Leuconostoc Ferment Filtrate (From Radish)***, Selenium Extract, Olivine (Magnesium) Extract, Smithsonite (Zinc) Extract, Salix Nigra (Willow) Bark Extract, Maris Sal (Dead Sea Salt)**, Sodium Hyaluronic Acid (From Sugar Beet)	Olea Europaea (Olive) Leaf*	4.80%	13	14	Calendula Hydrosol Certificate
		Calendula Officinalis (Calendula) Flower*	7.56%	14	15	Lemon Verbena Hydrosol Certificate
		Aloysia Citrodora (Lemon Verbena) Leaf*	7.56%	15	16	Red Clover Hydrosol Certificate
		Trifolium Pratense (Red Clover) Flower*	7.56%	16	17	Raspberry Leaf Hydrosol Certificate
		Rubus Idaeus (Raspberry) Leaf*	7.56%	17	18	Lavendar Hydrosol Certificate
		Lavandula Angustifolia (Lavender)*	4.00%	18	19	Hibiscus Certificate

<b>RENEW FACE SERUM</b>	Hibiscus Sabdariffa (Hibiscus) Extract*, Daucus Carota Sativa (Carrot) Root Extract, Niacinamide (Vitamin B3), Solanum Lycopersicum (Tomato) Skin*, Leuconostoc Ferment Filtrate (Radish Root)***, Glycerin (From Vegetable Oils), Terminalia Ferdinandiana (Kakadu Plum) Extract**, Tasmannia Lanceolata (Mountain Pepper Berry) Extract**, Salix Nigra (Willow) Bark Extract, Phospholipids (From Non-GMO Soy and Coconut), Alpha Lipoic Acid (From Beet), Caprylic Capric Triglycerides (From Coconut), Ubiquinone (CoQ10), Propanediol (From Corn)***, Sodium Hyaluronic Acid (From Beet), Haematococcus Pluvialis (Astaxanthin Algae) Oleoresin, Glyceryl Stearate (From Vegetable Oils), Xanthan Gum (From Beet), Lecithin (From Non-GMO Soy), Sclerotium/Pullulan (From Fungi), Citrus Aurantium Var. Bergamia (Bergamot) essential oil*, Anthemis Nobilis (Roman Chamomile) Essential Oil*	Hibiscus Sabdariffa (Hibiscus) Extract*	59.84%	19		20	Tomato Certificate
		solanum Lycopersicum (Tomato) Skin*	1.70%	20		21	Bergamot Certificate
		Citrus Aurantium Var. Bergamia (Bergamot) essential oil*	0.19%	21		22	Astaxanthin Certificate
		Astaxanthin	0.078	22			



# TECHNICAL BULLETIN

TERRY LABORATORIES, LLC  
7005 TECHNOLOGY DRIVE • MELBOURNE, FLORIDA 32904 • USA  
PHONE: (321) 259-1630 • FAX: (321) 242-0625 • TOLL FREE (800) 367-2563

## TERRA-PURE™ CERTIFIED SPRAY DRIED ALOE VERA JUICE POWDER 200X

(Inner Leaf)

INCI Name: Aloe Barbadensis Leaf Juice

CAS RN: 94349-62-9

EINECS N: 305-181-2



**PRODUCT CODE:**

**TN001CRPLUS**

### SPECIFICATIONS

<b>APPEARANCE:</b>	Fine Powder
<b>COLOR:</b>	Light Cream to Beige
<b>pH (1:199):</b>	3.5-5.0
<b>SPECIFIC GRAVITY (1:199):</b>	0.997 – 1.004
<b>% MOISTURE:</b>	8% Maximum
<b>% TOTAL POLYSACCHARIDES:</b>	> 10%
<b>MICROBIAL ASSAY</b>	
<b>TOTAL PLATE COUNT:</b>	< 10 cfu/g
<b>YEAST AND MOLD:</b>	< 10 cfu/g
	No Pathogens Present

All testing is performed at 25° C unless otherwise noted.

**PRESERVATIVES:** None

**PACKAGING:** Per customer request. One (1) lb. net weight minimum. Desiccant bag included.

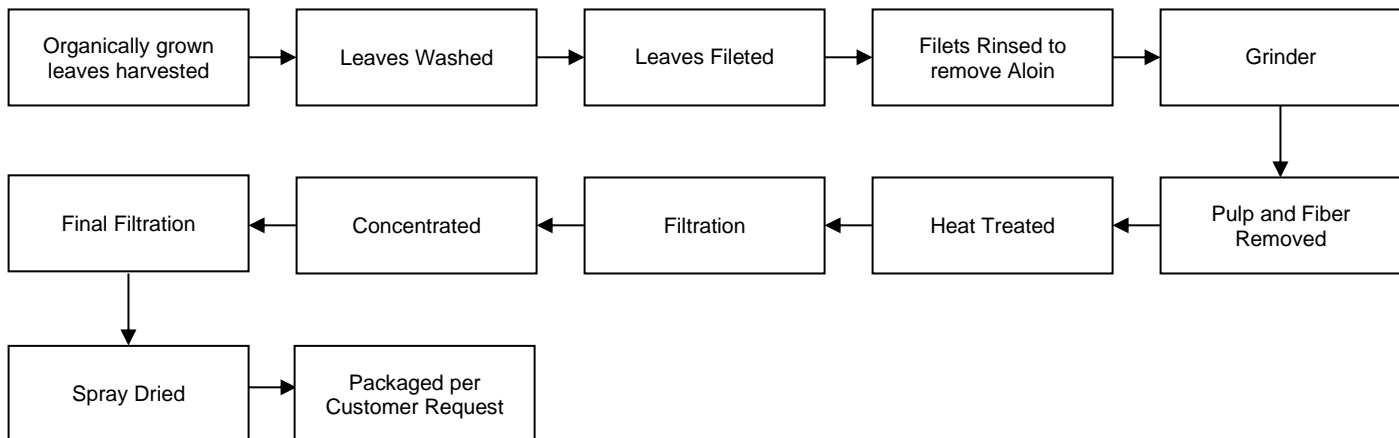
- CERTIFICATIONS:**
- International Aloe Science Council (IASC)
  - Generally Recognized as Safe (GRAS) Self-Affirmed
  - Certified Organic under USDA NOP and equivalent CE 834/2007 and 889/2008 Certified Organic by Mayacert
  - KA Kosher
  - FairTSA Product Certified



**CAUTIONS:** Store in cool, dry place. Once reconstituted, product will darken with age. Preservatives must be added after reconstitution since this powder is non-preserved. Shelf life: 3 years from date of manufacture (unopened container).

# TERRA-PURE™ CERTIFIED SPRAY DRIED ALOE VERA JUICE POWDER 200X

## PROCESS FLOW CHART:



## TYPICAL APPLICATIONS:

### COSMECEUTICALS/NUTRACOSMETICS

- Functional Skin Care/Cosmetics

### O.T.C. PHARMACEUTICALS

- Topical Analgesics/Anesthetics
- Hydrocortisone Creams
- First Aid Sprays/Creams/Gels
- Anti-Acne Preparations
- Medicated Powder/Talcs
- Toothpastes/Oral Rinses

### FOOD AND BEVERAGE

- Health Drinks
- Juice Blends
- Health Foods
- Sports Drinks

### SKIN AND HAIR CARE

- Glamour Cosmetics (Hydrophilic)
- Sun Care and After Sun Products
- Hand and Body Lotions/Gels
- Skin Cleansers/Moisturizers
- Bath and Body Products
- Shampoos and Conditioners
- Styling/ Sculpting Gels
- Shaving/Depilatory Preparations
- Bath Powders

## WHAT PERCENTAGE TO USE?

- 15% Single Strength Equivalent (SSE) minimum for IASC certified finished products
- Recommend the use of 15-100% for cosmetic and beverage applications
- Two to four ounces (SSE) twice daily is the recommended beverage dose. May be added to fruit or vegetable Juices to enhance flavor

## GUARANTEES

- BSE/TSE-free
- GMO-free
- Pesticide-free
- No animal testing



## SAFETY DATA SHEET (SDS)

**Essential Oil:** Cedarwood, Atlas - Organic

**SDS Created:** 10 June 2015

**Revision Date:** 09 September 2020

### SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY

#### 1.1 Globally Harmonized System (GHS) product identifier

Product name: Cedarwood, Atlas - Organic

Latin name of botanical source: *Cedrus atlantica*

INCI Name: Cedrus Atlantica (Cedarwood) Wood Oil

#### 1.2 Other means of identification

Item number/size: 176 – Various sizes not to exceed 33.81 Fluid Ounces or 1 Liter.

#### 1.3 Recommended use of the chemical and restrictions on use:

Aromatic raw material for professional use.

#### 1.4 Supplier's details:

Company name: Eden Botanicals

Company address: 3820 Cypress Drive, Suite 12, Petaluma, CA 94954

Company contact: 707-509-0041 [www.edenbotanicals.com](http://www.edenbotanicals.com)

#### 1.5 Emergency telephone number:

For Transport Emergencies Only: 1-855-645-6677 (available 9:00 am - 5:00 pm, Pacific Standard Time)

Poison Control Center: 1-800-222-1222 (available 24 hours)

### SECTION 2: HAZARD(S) IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Aspiration hazard, Category 1

Hazardous to aquatic environment Long term/Chronic, Category 2

#### 2.2 GHS label elements, including precautionary statements

Signal Word	Hazardous Statement	Precautionary Statement	Hazard Pictograms
Danger	H304 - May be fatal if swallowed and enters airways H411 - Toxic to aquatic life with long-lasting effects	P102 - Keep out of the reach of children. P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician. P331 – Do NOT induce vomiting. P405 – Store locked up. P501 – Dispose of contents/container to an approved waste disposal plant. P273 – Avoid release to the environment. P391 – Collect spillage.	

#### 2.3 Other hazards that do not result in classification

May cause skin irritation/allergy. Patch test recommended.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Composition

Chemical Name (common name)	CAS# TSCA	CAS# EINECS	ICSC #	RTECS#	UN#	EINECS#	% by weight
Atlas Cedarwood Oil	8023-85-6	295-985-9	N/A	N/A	3082	295-985-9	100%
EU Allergens:							
Limonene	138-86-3	N/A	N/A	N/A	N/A	N/A	≤0.1%
Prop 65:							
Toluene	108-88-3	N/A	N/A	N/A	N/A	N/A	≤0.01%

## SECTION 4: FIRST-AID MEASURES

### 4.1 Description of necessary first-aid measures (of Substance)

**Eye contact:**

Check for and remove any contact lenses. Flush with water for 15 minutes. If symptoms persist get medical attention.

**Skin Contact:**

No harmful effect with normal skin. If skin irritation does occur, wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

**Inhalation:**

Not likely to occur under normal conditions of use. If symptoms occur, move to fresh air and obtain medical advice.

**Ingestion:**

Not an expected route of exposure. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with milk or water and consult a doctor. Keep the exposed person at rest. Do NOT force vomiting unless directed to do so by medical personnel. Seek immediate medical attention and show the Substance's label to medical personnel.

### 4.2 Most important symptoms and effects, both acute and delayed (of Substance)

**Eye contact:**

May cause eye irritation and corneal damage if not immediately rinsed out.

**Skin Contact:**

Repeated contact may cause allergic dermatitis.

**Inhalation:**

Breathing high concentrations of vapor may cause anesthetic effects.

**Ingestion:**

Not an expected route of exposure.

### 4.3 Indication of any immediate medical attention and special treatment needed (of Substance)

None known.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Flash point

+100°C

### 5.2 Extinguishing media

*Suitable extinguishing media:* sprayed water or water mist, alcohol-resistant foam, multipurpose ABC powder, BC powder, carbon dioxide (CO<sub>2</sub>)

*Unsuitable extinguishing media:* water jet (straight stream).

### 5.3 Specific hazards arising from the chemical

None known.

### 5.4 Special protective actions for firefighters

Use self-contained breathing apparatus and protective clothing.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Stop leak if you can do so without risk. Consult safety measures listed under Sections 7 and 8.

**For fire-fighters:**

Fire-fighters will be equipped with suitable personal protective equipment (See Section 8). High temperature may increase the pressure inside the container—cool the container by sprinkling water. Avoid breathing emitted vapors.

### 6.2 Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, or diatomaceous earth in drums for waste disposal. Avoid allowing product to reach sewage system or any waterways. Inform respective authorities in case of seepage into sewage system or waterways.

### 6.3 Methods and material for containment and cleaning up

Absorb spill with non-combustible matter (such as detergent--do not use solvents) and transfer to containers.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid unintentional contact with skin surfaces. Wear suitable protective clothing. Avoid inhalation. Ensure good ventilation or exhaust in workplace. Do not allow contact with eyes. Always wash hands after handling. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in closed glass containers, away from heat, light and other sources of ignition. Store in cool area.

## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1 Control parameters

OSHA TWA: None established

OSHA STEL: None established

ACGIH TWA: None established

ACGIH STEL: None established

NOHSC TWA: None established

NOHSC STEL: None established

### 8.2 Appropriate engineering controls

General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code.

### 8.3 Individual protection measures

#### Personal protective equipment:

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place away from the work area. Never eat, drink, or smoke during use. Remove and wash contaminated clothing before re-using.

#### Eye/face protection:

Avoid contact with eyes. Use eye protectors (safety goggles in accordance with standard EN166) designed to protect against liquid splashes.

#### Hand protection:

Wear suitable protective gloves (resistant to chemical agents in accordance with standard EN374) in the event of prolonged or repeated skin contact.

Type of gloves recommended: Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR)) or PVA (Polyvinyl alcohol).

**Body protection:** Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.



## SECTION 9: PHYSICAL CHEMICAL PROPERTIES

**Physical state:** Viscous liquid

**Color:** Pale yellow to brown

**Odor:** Sweet, woody, warm, balsamic

**Miscibility in water:** Insoluble

**Miscibility in alcohol:** Soluble  
**Miscibility in essential oil:** Soluble  
**Liposolubility:** Liposoluble  
**pH:** Not applicable  
**Boiling point/boiling range:** Not specified  
**Flash Point:** +100°C  
**Vapor pressure:** Not specified  
**Evaporation rate:** Not specified  
**Density:** Not specified  
**Water solubility:** Insoluble  
**Self-ignition temperature:** Not specified  
**Decomposition point/decomposition range:** Not specified  
**Refractive index @ 20°C:** 1.508 –1.517  
**Partition coefficient:** Not specified  
**Specific gravity @ 20 °C:** 0.929 – 0.945

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Not reactive.

### 10.2 Chemical stability

This substance is stable under the recommended handling and storage conditions in Section 7.

### 10.3 Possibility of hazardous reactions

When exposed to high temperatures, the substance may release hazardous decomposition products, such as carbon monoxide, carbon dioxide, fumes, and nitrogen oxide.

### 10.4. Conditions to avoid

None known.

### 10.5 Incompatible materials

Alkali metals, ammonia, oxidizing agents, peroxides strong inorganic acids.

### 10.6 Hazardous decomposition products

The thermal decomposition may release/form carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Substance

#### Acute toxicity:

LD50 oral (rat) >5000mg/kg

LD50 dermal (rabbit) >5000mg/kg

#### Skin corrosion/irritation:

May be irritating to skin.

#### Serious eye damage/irritation:

May be irritating to eyes. Prompt rinsing and removal of the substance will avoid damage.

#### Respiratory sensitization:

Breathing high concentrations of vapor may cause anesthetic effects.

#### Germ cell mutagenicity:

Not specified

#### Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity:



Not specified

**STOT-single exposure:**

Not specified

**STOT-related exposure:**

Not specified

**Aspiration hazard:**

Not specified

**11.2 Information on the likely routes of exposure**

Skin/scalp contact.

**11.3 Symptoms related to the physical, chemical, and toxicological characteristics**

None known. Irritation of the eye if exposed. Redness of the skin if irritated.

**11.4 Delayed and immediate effects and also chronic effects from short-term and long-term exposure**

Exposure to vapors from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver, and central nervous system.

Repeated or prolonged contact with the substance may cause removal of natural oil from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible damage.

**11.6 Interactive effects**

Not specified

**11.7 Where specific chemical data are not available**

Not specified

**11.8 Substances**

Not specified

**11.9 Substances verses ingredient information**

Not specified

**11.10 Other Information**

RTECS: FJ1520050

## SECTION 12: ECOLOGICAL INFORMATION

**12.1 Info summery of Ecological information**

Balance of data on substance as a whole, not determined.

**12.2 Eco toxicological properties of specific substances**

See each category below for specific substances

**12.3 Toxicity**

**Acute fish toxicity:**

LC50 / 96 HOUR – No data available

Toxicity to aquatic plants – No data available

Toxicity to microorganisms – No data available

Toxicity threshold – No data available

**12.4 Persistence and degradability**

Biodegradation is expected

**12.5 Bio-accumulative potential**

Bioaccumulation is unlikely

**12.6 Mobility in soil**

Unknown

**12.7 Other adverse effect**

Avoid exposure to marine environments and waterways

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Do not pour into drains or waterways. Observe all federal, state, and local environmental regulations. Member State-specific and Community-specific provisions must be considered. Considering the relevant known environmental and human health hazards of the materials, review and implement appropriate technical and procedural wastewater and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental release. This may include destructive techniques for waste and wastewater. In extreme situations, contact a licensed professional waste disposal service to dispose of this material.

#### Waste:

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC. Do not pour into drains or waterways. Waste management is carried out without endangering human health, without harming the environment, and in particular without risk to water, air, soil, plants, or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

#### Soiled packaging:

Empty all containers completely. Keep label(s) on every container. Give to a certified disposal contractor.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN Number

UN 3082

### 14.2 UN Proper shipping name

Environmentally hazardous substance, liquid, n.o.s.

### 14.3 Transportation hazard classes



Class 9

### 14.4 Packing group, if applicable

III

### 14.5 Environmental hazards



Toxic to aquatic life with long lasting effects.

### 14.6 Special precautions for user



Danger

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78\* and IBC Code

Not specified

### 14.8 Additional transport information

Not specified

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health, and environmental regulations/legislation specific for the substance

Country	Notification
Canada	Not regulated
EU	See EU Allergens in Section 3
Hong Kong	Not regulated
Singapore	Not regulated
USA	<b>California Prop. 65 Components</b> This product contains chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. See Section 3 for details.

## SECTION 16: OTHER INFORMATION

### Disclaimer:

The information in this Safety Data Sheet (SDS) is believed to be accurate as of the date issued. HOWEVER, NO WARRANTY, EXPRESSED OR IMPLIED IS MADE CONCERNING THE ACCURACY, COMPLETENESS OR RELIABILITY OF THE INFORMATION PROVIDED HEREIN, INCLUDING BUT NOT LIMITED TO, WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR COURSE OF PERFORMANCE. The information provided relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. Since the conditions and methods of handling, storage, use and disposal of the product are beyond the control of Eden Botanicals, Eden Botanicals expressly disclaims any and all liability, loss or damage arising out of or relating to the use, storage, handling or disposal of the product or reliance on the information in this SDS. Users are cautioned to satisfy themselves as to the suitability of said information, procedures and recommendations for the purposes intended prior to use.

Revision	Date	Prepared By	Reviewed By
R.1	10 June 2015	H. Merrill	K. Goelz
R.2	8 July 2015	H. Merrill	C. Berryhill
R.3	28 June 2016	C. Berryhill	
R.4	July 13 2017	MEBB	
R.5	September 26 2017	MEBB	
R.6	April 24 2020	L. Bonaventura	
R.7	September 09 2020	L. Bonaventura	



BULK N A T U R A L O I L S . C O M  
**J E D W A R D S**  
I N T E R N A T I O N A L , I N C .

September 15, 2020

To whom it may concern,

The AVOCADO OIL – VIRGIN ORGANIC sold by Jedwards International, Inc., consists of 100% avocado oil.

The above information has been provided to Jedwards International, Inc. by its product supplier. Although Jedwards International, Inc. believes the information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective for at most one year from the date on which the information is provided. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.



## CERTIFICATE of ANALYSIS (COA)

Fir, Balsam - Organic (SKU 321 lot 3)

LATIN NAME	<i>Abies balsamea</i>
COUNTRY OF ORIGIN	Canada
CULTIVATION METHOD	Wild grown, Certified Organic (USDA, NOP), Certified in compliance with the terms of the US-Canada Organic Equivalency Arrangement
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Needles
USE	Aromatherapy, Natural Perfumery

ANALYZED	January 10, 2021
MANUFACTURED	May 1, 2020
RETEST	May 1, 2023

SPECIFIC GRAVITY @ 20C	0,88
REFRACTIVE INDEX @ 20C	1,47
OPTICAL ROTATION @ 20C	n/a

PHYSICAL APPEARANCE	Transparent liquid
COLOR	Colorless
ODOR	Softly balsamic, clean, sweet, with the aroma of freshly crushed needles
SOLUBILITY	Soluble in alcohol and fixed oils.
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to preserve freshness.

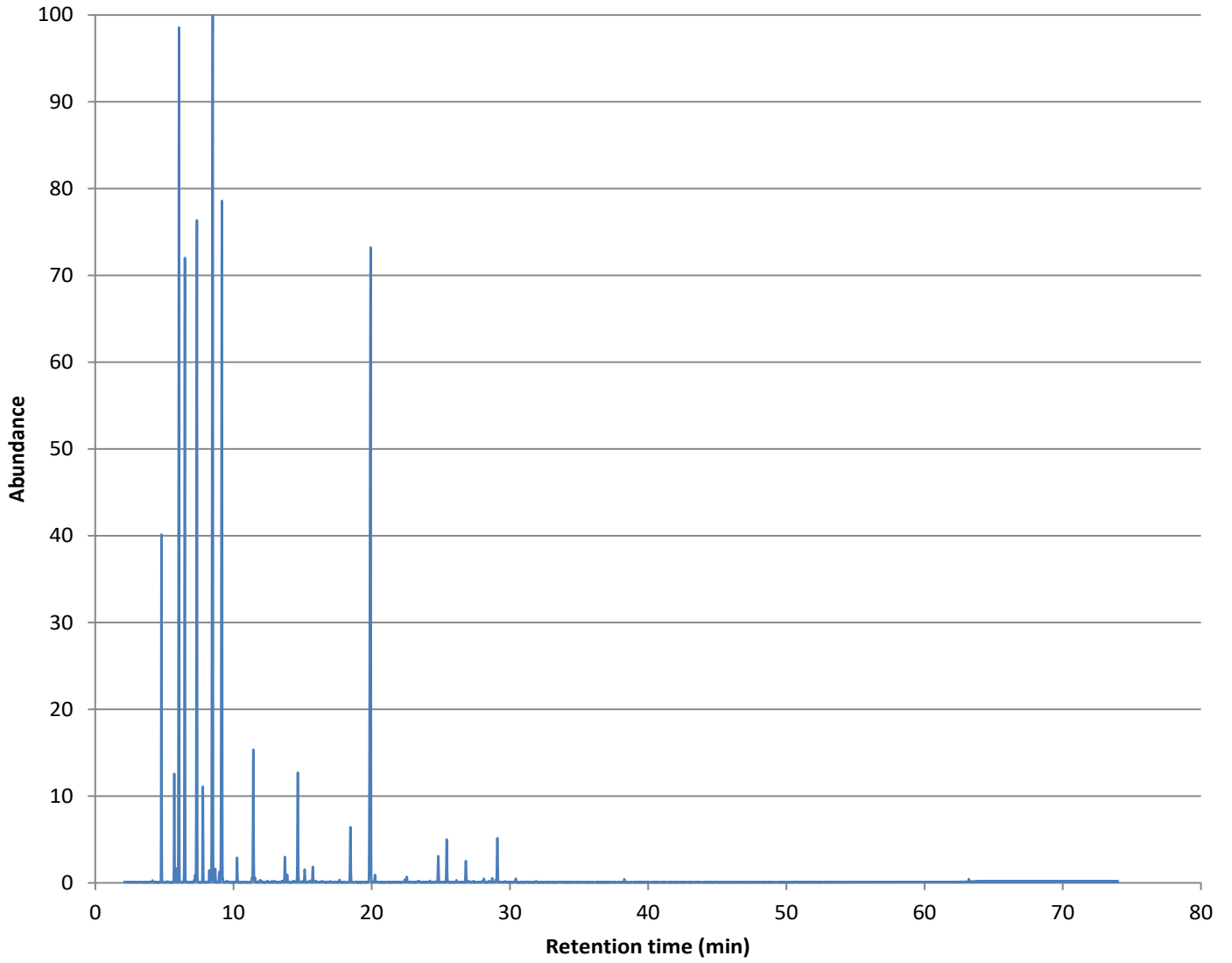
COMMENTS	
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COMPONENT	Actual %	CAS
delta-3-Carene	17,73%	13466-78-9
alpha-Pinene	14,45%	80-56-8
Bornyl acetate	14,17%	76-49-3
Limonene <sup>2</sup>	13,07%	138-86-3
beta-Pinene	11,63%	127-91-3
Camphene	9,61%	79-92-5
Santene	4,32%	529-16-8
Terpinolene	2,08%	586-62-9
Isoborneol	1,98%	10385-78-1
Tricyclene	1,47%	508-32-7
Isobornyl acetate	1,44%	125-12-2
Myrcene <sup>1</sup>	1,33%	123-35-3
Piperitone	0,94%	89-81-6
beta-Bisabolene	0,78%	495-61-4
Caryophyllene(E-)	0,78%	13877-93-5
Longifolene	0,53%	475-20-7

Camphor	0,44%	76-22-2
alpha-Humulene	0,39%	6753-98-6
gamma-Terpinene	0,37%	99-85-4
alpha-Terpineol	0,26%	98-55-5
Terpinen-4-ol	0,22%	562-74-3
alpha-Terpinene	0,19%	99-86-5
alpha-Thujene	0,19%	2867-05-2
alpha-Phellandrene	0,18%	99-83-2
para-Cymene	0,17%	99-87-6
Thymol	0,12%	89-83-8
Camphene hydrate	0,11%	64474-11-9
alpha-Longipinene	0,10%	5989-08-2
Sabinene	0,10%	3387-41-5
(E)-, alpha-Bisabolene	0,06%	25532-79-0
beta-Selinene	0,05%	17066-67-0
Hex-(3Z)-enyl acetate	0,04%	3681-71-8
Thymol, methyl ether	0,04%	1076-56-8
alpha-, trans-Bergamotene	0,03%	13474-59-4
1,8-Cineole	0,03%	470-82-6
Sativene	0,03%	6813-05-4
Linalool <sup>2</sup>	0,02%	78-70-6
para-Cymen-8-ol	0,02%	1197-01-9
alpha-Campholenal	0,02%	4501-58-0
Fenchyl acetate	0,01%	13851-11-1
(E)-, beta-Farnesene	0,01%	18794-84-8
cis-Pinocamphone	0,01%	15358-88-0
delta-Cadinene	0,01%	16729-01-4
alpha-Calacorene	0,01%	77129-50-1
cis-, para-Menth-2-en-1-ol	0,01%	29803-82-5
alpha-Selinene	0,01%	473-13-2
Thuja-2,4(10)-diene	0,01%	36262-09-6
(Z)-, alpha-Bisabolene	0,00%	29837-07-8
Toluene <sup>1</sup>	0,00%	108-88-3
delta-2-Carene	0,00%	554-61-0
Total Deleted Low Purity Peaks	0,12%	
Not Identified Peaks	0,30%	

<sup>1</sup> = Proposition 65 compound, <sup>2</sup> = EU Allergen

MS Results for SKU 321 lot 3





## CERTIFICATE of ANALYSIS (COA)

Eucalyptus, Narrow Leaf - Organic (SKU 299 lot 8)

LATIN NAME	<i>Eucalyptus radiata</i>
COUNTRY OF ORIGIN	South Africa
CULTIVATION METHOD	Wild Grown, Certified Organic (USDA, NOP)
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Leaves
USE	Aromatherapy, Natural Perfumery

ANALYZED	July 7, 2020
MANUFACTURED	December 1, 2019
RETEST	December 1, 2022

SPECIFIC GRAVITY @ 20C	0,92
REFRACTIVE INDEX @ 20C	1,46
OPTICAL ROTATION @ 20C	1,72

PHYSICAL APPEARANCE	Clear liquid
COLOR	Colorless to pale yellow
ODOR	Refreshing, cineolic, peppery-floral
SOLUBILITY	Soluble in alcohol and fixed oils.
SPECIAL USE INSTRUCTIONS	Dilute before use.

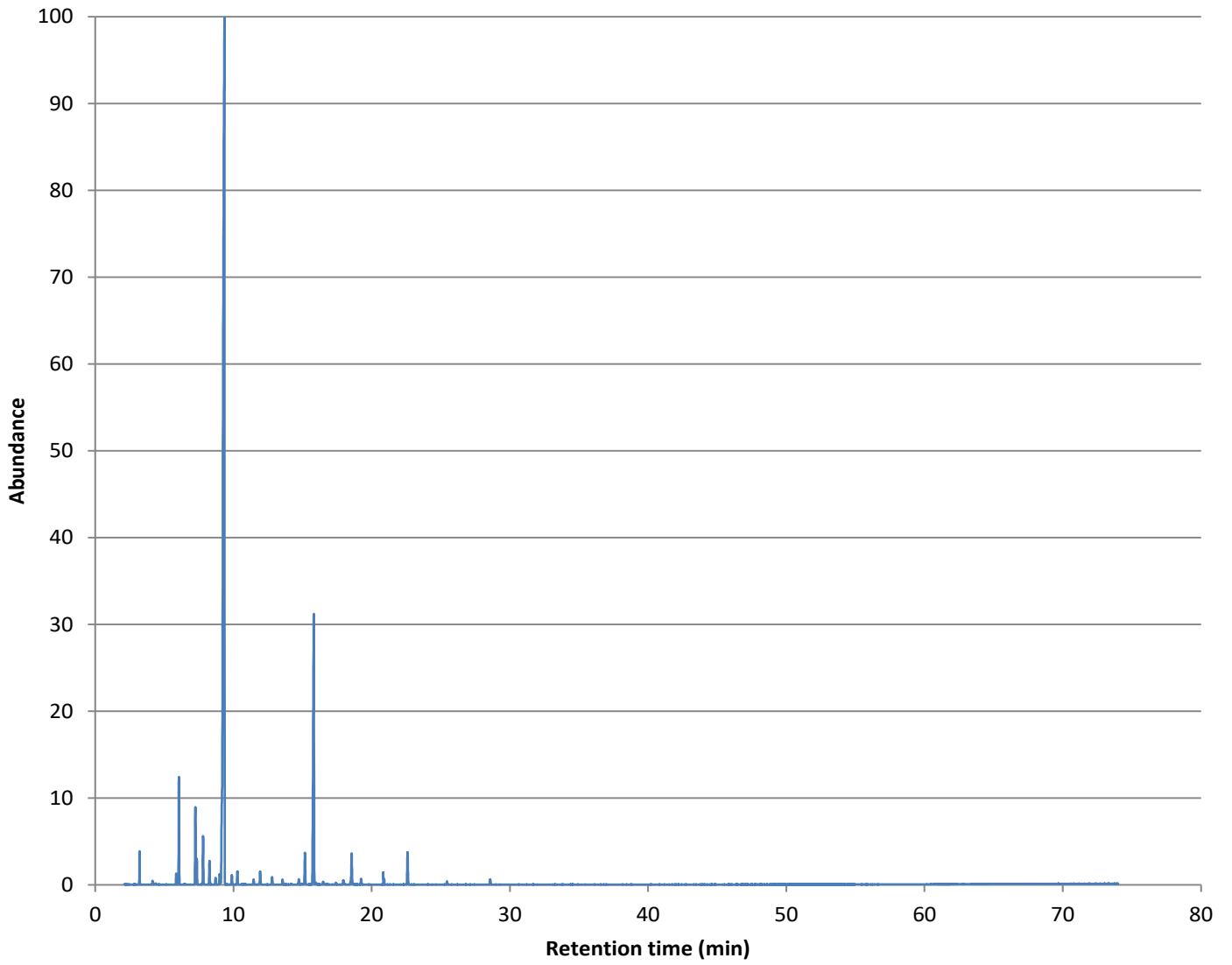
COMMENTS	
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COMPONENT	Actual %	CAS
1,8-Cineole	68,87%	470-82-6
alpha-Terpineol	14,65%	98-55-5
alpha-Pinene	3,00%	80-56-8
Sabinene	2,33%	3387-41-5
Myrcene <sup>1</sup>	1,47%	123-35-3
alpha-Terpinyl acetate	1,32%	80-26-2
Terpinen-4-ol	1,26%	562-74-3
Geraniol <sup>2</sup>	1,19%	106-24-1
beta-Pinene	0,82%	127-91-3
alpha-Phellandrene	0,77%	99-83-2
para-Cymene	0,55%	99-87-6
Linalool <sup>2</sup>	0,46%	78-70-6
gamma-Terpinene	0,42%	99-85-4
(E)-, beta-Ocimene	0,30%	3779-61-1
alpha-Thujene	0,28%	2867-05-2
cis-para-Menth-2-en-1-ol	0,27%	29803-82-5
alpha-Terpinene	0,24%	99-86-5



Geranial <sup>2</sup>	0,24%	141-27-5
delta-Terpineol	0,21%	7299-42-5
trans-para-Menth-2-en-1ol	0,16%	29803-81-4
Neral <sup>2</sup>	0,16%	106-26-3
Terpinolene	0,14%	586-62-9
cis-Piperitol	0,05%	34350-53-3
Total Deleted Low Purity Peaks	0,72%	
Not Identified Peaks	0,11%	
<sup>1</sup> = Proposition 65 compound, <sup>2</sup> = EU Allergen		

### MS Results for SKU 299 lot 8



## PRODUCT SPECIFICATION SHEET

**PRODUCT NAME:** KELP POWDER ATLANTIC ORGANIC  
**PRODUCT ITEM NO:** 209385-51  
**BOTANICAL NAME:** *Ascophyllum nodosum*  
**ORIGIN:** Canada  
**DESCRIPTION:** Seaweed Whole Plant – Green colored powder with a characteristic fish-like aroma and flavor.  
**PRODUCTION:** Wildcrafted, Certified organic to NOP standards

TEST	METHOD	SPECIFICATION
<b>PRODUCT PROFILE</b>		
PARTICLE SIZE:	USP	100% through 40 mesh Minimum 90% through 60 mesh
TAPPED DENSITY @ 300 TAPS:	SWP	Report Only
IDENTIFICATION	HPTLC	Conforms to standard
MOISTURE CONTENT:	USP	Less than 10%.
IODINE:	FCC Titration	Minimum 650 ppm
TOTAL ASH:	SWP002	Less than 20%
ACID INSOLUABLE ASH:	SWP002	Less than 5%
<b>MICROBIOLOGICAL</b>		
E. COLI:	3M Petrifilm	Less than 10 cfu/gram
SALMONELLA SPP:		Negative

**CERTIFICATIONS:** Kosher by Kosher Certification Service, Certified Organic by Quality Assurance International

**LABEL WARNING:** Do not exceed the daily dose. ( 1/8 tsp) Do not used more than 14 days with out consulting health care practitioner.

**ALLERGEN:** None

**GMO STATUS:** Product is Non-GMO

**SHELF LIFE:** 3 Years

**STORAGE:** Cool and dry, not to exceed 90F

**PRODUCT TREATMENT:** None

**PACKAGING:** Product shall be packaged in new, clean, protective containers approved for carrying food grade materials. Containers shall be marked with the supplier's name, item name, item number, ingredient statement and, lot number, net weight and country of origin.

If applicable kosher and organic designations shall also be marked on label.

Approved by C. McThorn – Quality Control Manager

Revised date: 07/13/2020

This information is presented in good faith, but is not warranted as to accuracy of results. This information is offered solely for your investigation, verification and consideration. Final determination of suitability of any material is the sole responsibility of the user.



**CERTIFICATE of ANALYSIS (COA)**

<b>COMMON NAME</b>	Vetiver, Haiti - Organic
<b>LATIN NAME</b>	<i>Vetiveria zizanoides</i>
<b>COUNTRY OF ORIGIN</b>	Haiti
<b>CULTIVATION METHOD</b>	Cultivated, Certified Organic
<b>TYPE</b>	Essential Oil
<b>EXTRACTION METHOD</b>	Steam Distilled
<b>PLANT PART</b>	Roots
<b>USE</b>	Aromatherapy, Natural Perfumery

<b>SKU</b>	1000
<b>LOT #</b>	6
<b>MANUFACTURING DATE</b>	April 2017
<b>BEST BY DATE</b>	Improves with age

	<b>SPECIFICATIONS (Range)</b>	
<b>SPECIFIC GRAVITY @20°C</b>	0.9860 – 0.9960	0.9954
<b>REFRACTIVE INDEX @20°C</b>	1.5210 – 1.5265	1.5234
<b>OPTICAL ROTATION @20°C</b>	+22° to +45°	+38.54°

<b>PHYSICAL APPEARANCE</b>	Clear, viscous liquid	<i>Conforms</i>
<b>COLOR</b>	Yellow to brown	<i>Conforms</i>
<b>ODOR</b>	Clean, sweet, earthy roseate woody and slightly smoky	<i>Conforms</i>
<b>SOLUBILITY</b>	Insoluble in water, soluble in alcohol and oils	
<b>SPECIAL USE INSTRUCTIONS</b>	Dilute before use.	

<b>PRIMARY CONSTITUENTS</b>	Iso-Valencenol, Khusimol, Alpha-Vetivone, Beta-Vetivone, Beta-Vetivenene
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<b>COMPONENTS</b>	<b>Range %</b>	<b>%</b>	<b>COMPONENTS</b>	<b>Range %</b>	<b>%</b>
ISO-VALENCENOL	8 – 16.5	<i>na</i>	BETA-VETIVONE	2 – 6.5	<i>na</i>
KHUSIMOL	9.5 – 15.5	<i>na</i>	BETA-VETIVENENE	0.5 – 4.5	<i>na</i>
ALPHA-VETIVONE	3 – 6.5	<i>na</i>			
<i>* EU Allergen</i>					

<b>COMMENTS</b>	Odor quality is excellent.
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This Essential Oil is an authentic natural product and does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge. The analysis and statements herein constitute the most complete information available to Eden Botanicals. This product is guaranteed by Eden Botanicals to be of excellent quality.

Document created: 05.02.17  
Document updated: 05.04.17



## CERTIFICATE of ANALYSIS (COA)

Tea Tree - Organic (SKU 955 lot 24)

LATIN NAME	<i>Melaleuca alternifolia</i>
COUNTRY OF ORIGIN	South Africa
CULTIVATION METHOD	Certified Organic (USDA, NOP)
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Leaves
USE	Aromatherapy, Natural Perfumery

ANALYZED	March 11, 2021
MANUFACTURED	June 1, 2020
RETEST	June 1, 2023

SPECIFIC GRAVITY @ 20C	0,90
REFRACTIVE INDEX @ 20C	1,48
OPTICAL ROTATION @ 20C	n/a

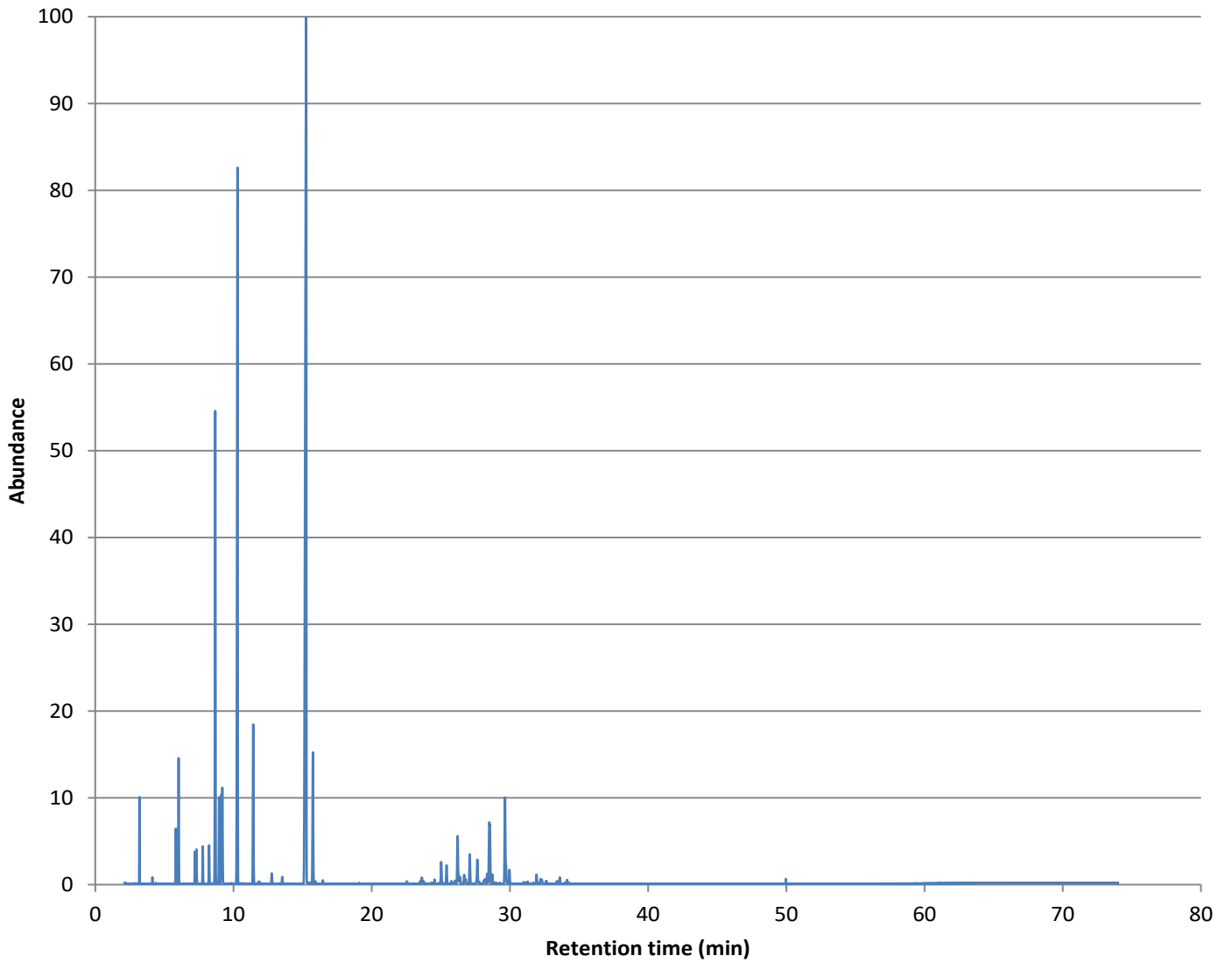
PHYSICAL APPEARANCE	Liquid
COLOR	Colorless to pale yellow
ODOR	Fresh, medicinal, herbaceous
SOLUBILITY	Soluble in alcohol and fixed oils.
SPECIAL USE INSTRUCTIONS	Dilute before use.

COMMENTS	
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COMPONENT	Actual %	CAS
Terpinen-4-ol	30,41%	562-74-3
gamma-Terpinene	22,39%	99-85-4
alpha-Terpinene	12,01%	99-86-5
Terpinolene	4,38%	586-62-9
alpha-Terpineol	3,53%	98-55-5
alpha-Pinene	2,63%	80-56-8
delta-Cadinene	2,35%	483-76-1
1,8-Cineole	2,32%	470-82-6
beta-Phellandrene	2,11%	555-10-2
para-Cymene	2,03%	99-87-6
Viridiflorene	1,78%	21747-46-6
Bicyclogermacrene	1,68%	24703-35-3
Aromadendrene	1,42%	489-39-4
alpha-Thujene	1,06%	2867-05-2
alpha-Phellandrene	0,88%	99-83-2
Myrcene <sup>1</sup>	0,79%	123-35-3
beta-Pinene	0,76%	127-91-3

allo-Aromadendrene	0,70%	25246-27-9
Sabinene	0,66%	3387-41-5
alpha-Gurjunene	0,58%	489-40-7
Limonene <sup>2</sup>	0,56%	138-86-3
trans-Cadina-1(6),4-diene	0,56%	20085-11-4
Caryophyllene(E-)	0,48%	13877-93-5
trans-Cadina-1,4-diene	0,37%	38758-02-0
cis-para-Menth-2-en-1-ol	0,24%	29803-82-5
alpha-Muurolene	0,23%	31983-22-9
delta-Selinene	0,21%	28624-28-4
trans-para-Menth-2-en-1-ol	0,17%	29803-81-4
alpha-Copaene	0,13%	3856-25-5
alpha-Humulene	0,12%	6753-98-6
beta-Selinene	0,08%	17066-67-0
trans-Piperitol	0,06%	16721-39-4
Isoledene	0,04%	95910-36-4
trans-Sabinene hydrate	0,04%	17699-16-0
alpha-Cubebene	0,03%	17699-14-8
Linalool <sup>2</sup>	0,03%	78-70-6
Hex-(3Z)-enyl acetate	0,02%	3681-71-8
(E)-, beta-Ocimene	0,01%	3779-61-1
Total Deleted Low Purity Peaks	0,26%	
Not Identified Peaks	1,90%	
<sup>1</sup> = Proposition 65 compound, <sup>2</sup> = EU Allergen		

### MS Results for SKU 955 lot 24







C I R A N D A

221 Vine Street  
 Hudson, WI 54016 USA  
 tel 715.386.1737  
 fax 715.386.3277  
 email info@ciranda.com  
 www.ciranda.com

### CERTIFICATE OF ANALYSIS

**Product** Organic Potato Starch  
**Product number** 75000  
**Production date** October 19, 2018  
**Shelf life** 48 Months from production date  
**Lot number** OPS-03062019-1  
**Manufactured in** Latvia

<u>Attributes</u>	<u>Results</u>	<u>Range</u>	<u>Method</u>
Appearance	White Powder	White Powder	Visual
Flavor and Aroma	Characteristic Potato	Characteristic Potato	Organoleptic
Moisture (%)	19.98	15 – 20	IR Moisture Analyzer
pH (5%)	7.11	≥ 6.0	pH Meter – 5%
Ash (%)	0.33	≤ 0.50	GOST 7698-93
Sand (%)	0.03	≤ 0.05	GOST 7698-93
SO <sub>2</sub> (ppm)	<10	Not specified	GOST 7698-93
<b>Microbiological Data</b>			
Total Plate Count (cfu/g)	<100	≤ 100,000	LVS EN ISO 4833:2003
Yeast (cfu/g)	<10	≤ 500	ISO 21527-2:2008
Mold (cfu/g)	<10	≤ 500	ISO 21527-2:2008
Coliforms (cfu/g)	<10	< 10	LVS EN ISO 4832:2006
E. coli (cfu/g)	<10	< 10	GOST P 52816:2007
Salmonella (per 375 g)	Negative	Negative	LVS EN ISO 6579:2003/ac:2006

Jessica Berglund  
 Quality Assurance Dept, Ciranda

July 30, 2019

Date



## CERTIFICATE of ANALYSIS (COA)

<b>COMMON NAME</b>	Palmarosa - Organic
<b>LATIN NAME</b>	<i>Cymbopogon martinii</i>
<b>COUNTRY OF ORIGIN</b>	India
<b>CULTIVATION METHOD</b>	Certified Organic (USDA, NOP)
<b>TYPE</b>	Essential Oil
<b>EXTRACTION METHOD</b>	Steam Distilled
<b>PLANT PART</b>	Leaves
<b>USE</b>	Aromatherapy, Natural Perfumery.

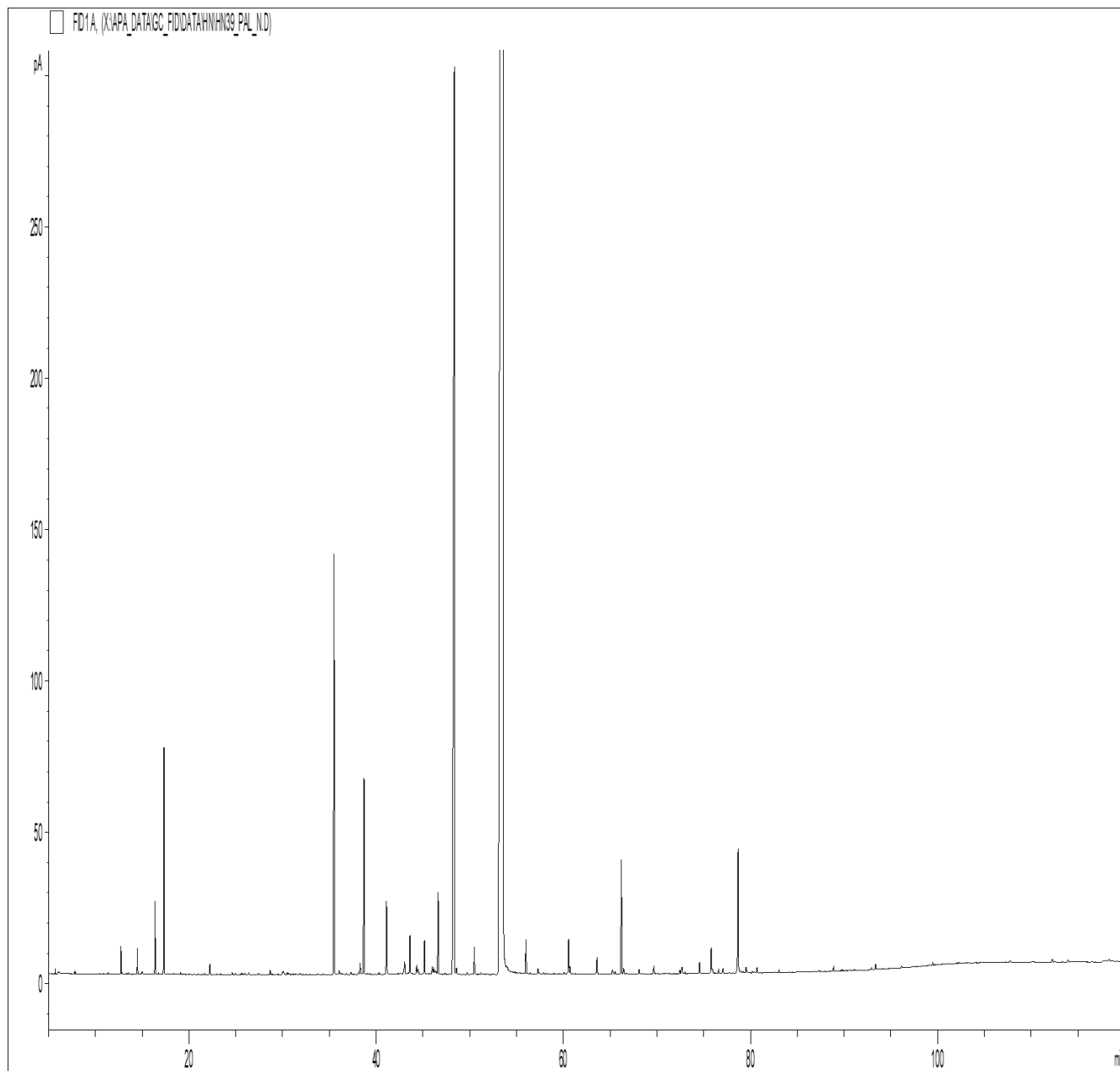
<b>SKU</b>	755
<b>LOT #</b>	17
<b>MANUFACTURING DATE</b>	June 2021
<b>RETEST</b>	June 2024

	<b>SPECIFICATIONS (Range)</b>	
<b>SPECIFIC GRAVITY @20°C</b>	0.80 – 1.02	0.881
<b>REFRACTIVE INDEX @20°C</b>	1.3 – 1.6	1.4732
<b>OPTICAL ROTATION @20°C</b>	-1° to +3°	- 0.71°

<b>PHYSICAL APPEARANCE</b>	Transparent liquid	<i>Conforms</i>
<b>COLOR</b>	Colorless to pale yellow	<i>Conforms</i>
<b>ODOR</b>	Sweet-grassy, rosy-geraniol aroma with citrus notes.	<i>Conforms</i>
<b>SOLUBILITY</b>	Soluble in alcohol and fixed oils	
<b>SPECIAL USE INSTRUCTIONS</b>	Dilute before use	

<b>PRIMARY CONSTITUENTS</b>	Geraniol, Geranyl acetate, Caryophyllene (E-)
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Chromatographic profile:



**Identification results: ORGANIC PALMAROSA - BATCH N° 755 LOT 17**

Peaks	RT (min)	Compound name	%	Norm (%)	Allergens (%)
1	5.71	alpha-PINENE	0.01		
2	12.73	<b>beta-MYRCENE</b>	<b>0.11</b>	<b>0.1 - 0.5</b>	
3	14.49	<b>LIMONENE</b>	<b>0.12</b>	<b>0.1 - 1.0</b>	0.12
4	14.97	1,8-CINEOLE	0.01		
5	15.03	beta-PHELLANDRENE	0.01		
6	16.38	cis-beta-OCIMENE	0.33		
7	16.76	trans-ARBUSCULON	0.01		
8	17.34	<b>trans-beta-OCIMENE</b>	<b>1.07</b>	<b>0.2 - 2.0</b>	
9	22.24	5-HEPTEN-2-ONE, 6-METHYL-	0.05		
10	24.63	ALLO-OCIMENE	0.01		
11	26.38	ROSEFURAN	0.01		
12	28.68	LINALOOL cis-OXIDE	0.03		
13	30.04	MENTHONE	0.03		
14	30.13	ALIPHATIC ESTER	0.02		
15	30.49	LINALOOL trans-OXIDE	0.01		
16	30.63	NERYL OXIDE	0.01		
17	35.51	<b>LINALOOL</b>	<b>2.48</b>	<b>1.5 - 4.0</b>	2.48
18	36.05	1-OCTANOL	0.02		
19	37.32	SESQUITERPENE	0.02		
20	38.13	alpha-trans-BERGAMOTENE	0.02		
21	38.29	beta-ELEMENE	0.07		
22	38.71	<b>beta-CARYOPHYLLENE</b>	<b>1.28</b>	<b>1.0 - 2.5</b>	
23	40.29	cis-p-MENTH-2-EN-1-OL	0.01		
24	41.12	MENTHOL	0.49		
25	42.36	1-NONANOL	0.02		
26	43.04	alpha-HUMULENE	0.11		
27	43.62	<b>NERAL</b>	<b>0.24</b>	<b>0.05 - 0.30</b>	0.24
28	44.34	gamma-SELINENE	0.06		
29	44.50	alpha-TERPINEOL	0.04		
30	45.18	GERANYL FORMATE	0.20		
31	45.74	SESQUITERPENE	0.01		
32	46.00	SESQUITERPENE	0.06		
33	46.16	PIPERITONE	0.05		
34	46.39	NERYL ACETATE	0.02		
35	46.41	cis-PYRANIC LINALOOL OXIDE	0.01		
36	46.63	<b>GERANIAL</b>	<b>0.51</b>	<b>0.2 - 0.6</b>	0.51
37	48.36	<b>GERANYL ACETATE</b>	<b>9.42</b>	<b>5 - 13</b>	
38	48.59	CITRONELLOL	0.05		0.05
39	49.73	ALIPHATIC ALCOHOL	0.01		
40	50.50	<b>NEROL</b>	<b>0.17</b>	<b>0.2 - 1.0</b>	
41	51.20	trans-ISOGERANIOL	0.01		
42	53.61	<b>GERANIOL</b>	<b>79.55</b>	<b>77 - 85</b>	79.55
43	56.01	GERANYL BUTYRATE	0.19		
44	57.31	GERANYL METHYLBUTYRATE	0.03		
45	60.09	ISOCARYOPHYLLENE OXIDE	0.01		
46	60.44	SESQUITERPENIC OXIDE	0.01		
47	60.59	CARYOPHYLLENE OXIDE	0.24		
48	60.73	TERPENIC COMPOUND	0.05		
49	63.62	NEROLIDOL	0.10		
50	65.26	CAPRYLIC ACID	0.04		
51	65.53	GUAJOL	0.02		

<b>Identification results : ORGANIC PALMAROSA - BATCH N° 755 LOT 17</b>					
<b>Peaks</b>	<b>RT (min)</b>	<b>Compound name</b>	<b>%</b>	<b>Norm (%)</b>	<b>Allergens (%)</b>
52	66.21	<b>GERANYL CAPROATE</b>	<b>0.70</b>	<b>0.2 - 1.0</b>	
53	66.45	TERPENIC COMPOUND	0.04		
54	68.12	PENTADECANONE, TRIMETHYL-	0.03		
55	69.69	ALIPHATIC ALCOHOL	0.06		
56	73.01	SESQUITERPENOL	0.01		
57	74.57	FARNESYL ACETATE	0.08		
58	75.82	GERANYL CAPRYLATE	0.17		
59	75.93	CARYOPHYLLA-2,6-DIEN-5-alpha-OL	0.03		
60	76.61	SESQUITERPENIC OXIDE	0.02		
61	77.07	SESQUITERPENIC OXIDE	0.03		
62	78.54	GERANIC ACID	0.01		
63	78.69	<b>E,E-FARNESOL</b>	<b>0.83</b>	<b>&lt; 1.5</b>	<b>0.83</b>
64	78.96	DIETHYL PHTHALATE	0.02		
65	79.20	SESQUITERPENIC OXIDE	0.02		
66	79.55	AROMATIC COMPOUND	0.05		
67	80.21	AROMATIC COMPOUND Mw=120	0.01		
68	80.73	TERPENIC COMPOUND	0.04		
69	83.07	SESQUITERPENIC OXIDE	0.02		
70	88.90	TERPENIC COMPOUND	0.04		
71	89.78	TERPENIC COMPOUND	0.01		
72	92.97	TERPENIC COMPOUND	0.02		
73	93.39	TERPENIC COMPOUND	0.03		
74	96.18	TERPENIC COMPOUND	0.02		
75	99.49	TERPENIC COMPOUND	0.02		
76	107.75	TERPENIC COMPOUND	0.02		
77	112.27	TERPENIC COMPOUND	0.03		
78	113.96	TERPENIC COMPOUND	0.02		
79	114.28	TERPENIC COMPOUND	0.01		
80	117.74	TERPENIC COMPOUND	0.01		
81	118.34	TERPENIC COMPOUND	0.03		
		<b>TOTAL</b>	<b>99.91</b>		<b>83.78</b>

This Essential Oil is a 100% pure and natural product. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge. The analysis and statements herein constitute the most complete information available to Eden Botanicals. This product is guaranteed by Eden Botanicals to be of excellent quality.

Eden Botanicals

[www.edenbotanicals.com](http://www.edenbotanicals.com)

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Document created: 02.20.19

Document updated: 05.25.22



## CERTIFICATE of ANALYSIS (COA)

Lime, Distilled - Organic (SKU 556 lot 14)

LATIN NAME	<i>Citrus aurantiifolia</i>
COUNTRY OF ORIGIN	Sri Lanka
CULTIVATION METHOD	Certified Organic (USDA, NOP)
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Peels
USE	Aromatherapy, Natural Perfumery

ANALYZED	August 18, 2020
MANUFACTURED	May 1, 2020
RETEST	May 1, 2022

SPECIFIC GRAVITY @ 20C	0,86
REFRACTIVE INDEX @ 20C	1,47
OPTICAL ROTATION @ 20C	39,05

PHYSICAL APPEARANCE	Transparent liquid
COLOR	Colorless to yellow
ODOR	Soft, zesty, slightly fruity Lime aroma; more tart than sweet
SOLUBILITY	Soluble in alcohol and fixed oils.
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to preserve freshness.

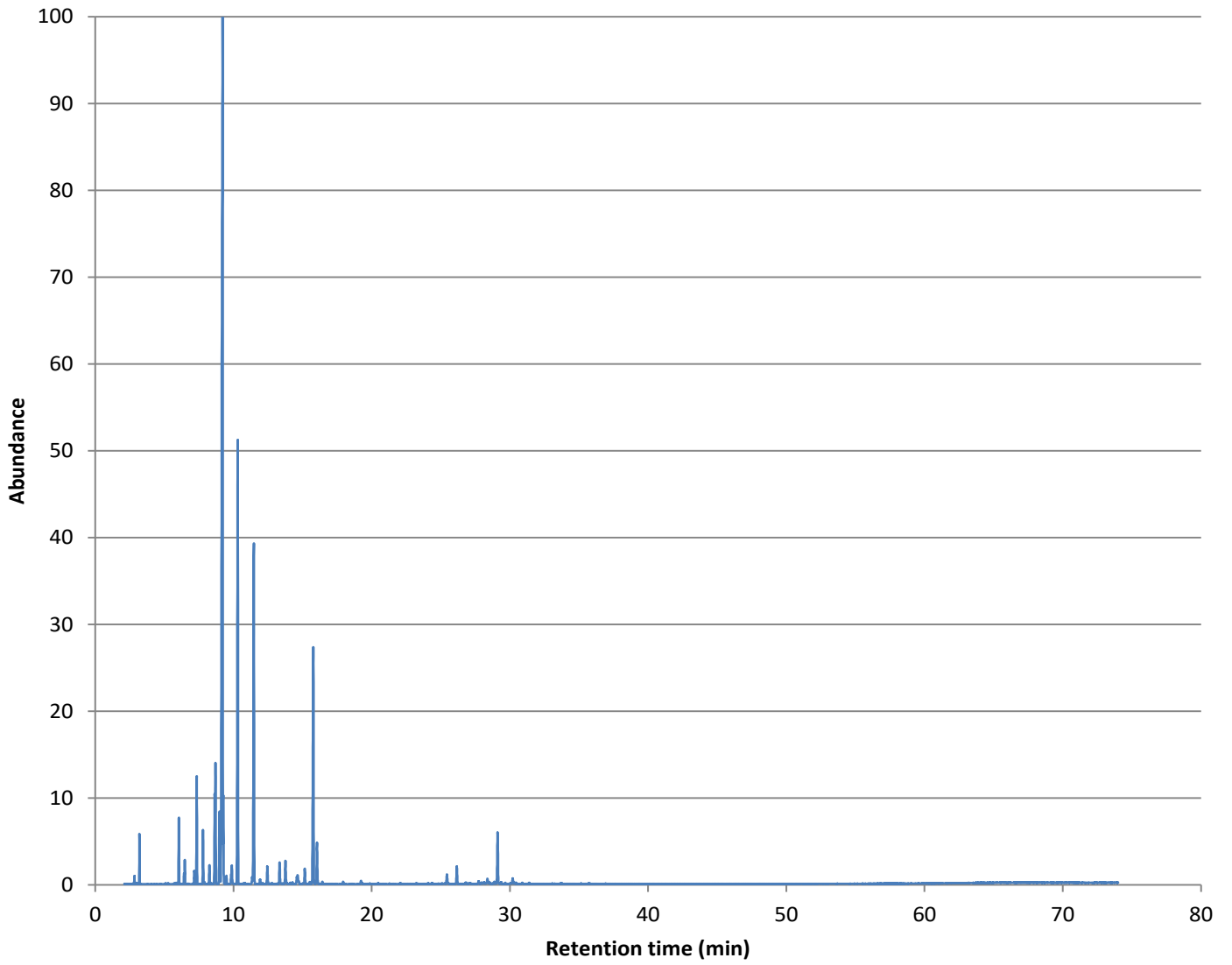
COMMENTS	
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COMPONENT	Actual %	CAS
Limonene <sup>2</sup>	42,38%	138-86-3
gamma-Terpinene	16,95%	99-85-4
Terpinolene	11,26%	586-62-9
alpha-Terpineol	7,16%	98-55-5
alpha-Terpinene	3,57%	99-86-5
beta-Pinene	3,09%	127-91-3
1,8-Cineole	2,53%	470-82-6
1,4-Cineole	2,26%	470-67-7
alpha-Pinene	1,85%	80-56-8
Myrcene <sup>1</sup>	1,35%	123-35-3
para-Cymene	0,94%	99-87-6
beta-Bisabolene	0,76%	495-61-4
Camphene	0,63%	79-92-5
gamma-Terpineol	0,53%	586-81-2
cis-beta-Terpineol	0,52%	7299-41-4
1-Terpineol	0,42%	586-82-3
Bois de Rose oxide	0,40%	7392-19-0

endo-Fenchol	0,40%	14575-74-7
(E)-, beta-Ocimene	0,36%	3779-61-1
alpha-Phellandrene	0,34%	99-83-2
(Z)-beta-Ocimene	0,28%	3338-55-4
alpha-Fenchene	0,26%	471-84-1
Terpinen-4-ol	0,22%	562-74-3
alpha-, trans-Bergamotene	0,22%	13474-59-4
2-methyl-1,3-Cyclohexadiene	0,20%	1489-57-2
Caryophyllene(E-)	0,15%	13877-93-5
tetrahydro-, 2,2-dimethyl-, 5-(1-methylpropenyl)-Furan	0,13%	7416-35-5
trans-beta-Terpineol	0,12%	7299-40-3
Selina-4(15),7(11)-diene	0,08%	58893-88-2
Linalool <sup>2</sup>	0,06%	78-70-6
delta-Selinene	0,05%	28624-28-4
Geranial <sup>2</sup>	0,03%	141-27-5
Nonane	0,03%	111-84-2
alpha-Thujene	0,03%	2867-05-2
delta-2-Carene	0,02%	554-61-0
Tricyclene	0,02%	508-32-7
Total Deleted Low Purity Peaks	0,33%	
Not Identified Peaks	0,08%	

<sup>1</sup> = Proposition 65 compound, <sup>2</sup> = EU Allergen

MS Results for SKU 556 lot 14







BULKNATURALOILS.COM  
**JEDWARDS**  
INTERNATIONAL, INC.

July 24, 2017

To whom it may concern,

The JOJOBA OIL – GOLDEN ORGANIC sold by Jedwards International, Inc., consists of 100% jojoba oil.

The above information has been provided to Jedwards International, Inc. by its product supplier. Although Jedwards International, Inc. believes the information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective for at most one year from the date on which the information is provided. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.



# Organic Creations, Inc.

307 NW Kerron St.  
Winlock, WA 98596  
360.869.7900

www.organic-creations.com

## Certificate Of Analysis Sheet

**CALENDULA HYDROSOL WATER, CERTIFIED ORGANIC**

*Calendula officinalis*

Lot #: CFWP85905	<b>Production Date:</b> 12/2020
<b>Botanical Origin:</b> Egypt	

<b>Product Information</b>	
<b>Extraction Method:</b> STEAM DISTILLED	<b>Parts Used:</b> FLOWERS

<b>Shelf Life:</b>		
<b>If purchased with GSB, 1%:</b> Use inside a well balanced formulation within 6 months of purchase date. Use within a year of purchase date if using "as is" and not within a formulation.		<b>Storage condition:</b> Store in cool, dry place away from light in airtight container.

<b>Analysis Specifications</b>		
=====		
TEST.....	SPECIFICATIONS.....	OBSERVATIONS
=====		
Appearance.....	Colorless, liquid form.....	Colorless, liquid form
Color.....	Colorless.....	Colorless
Odor.....	Characteristic.....	Complies
Texture.....	Liquid form.....	Complies
pH .....	Neutral, at 6.5-7.....	Complies
Residues: The product is free from any residues of chemical insecticides, pesticides & herbicides. This product contains no heavy metals.		



# Organic Creations, Inc.

307 NW Kerron St.  
Winlock, WA. 98596  
360.869.7900

www.organic-creations.com

***Certificate Of Analysis Sheet***  
**Lavender Hydrosol Water, Certified Organic**  
*Lavandula Angustifolia*

LOT #: LFWP209390-00	Production Date: 12/2020
Botanical Origin: France	

<b>Product Information</b>	
Extraction Method: STEAM DISTILLED	Parts Used: FLOWERS

<b>Shelf Life:</b>  <b>If purchased with GSB, 1%:</b> Use inside a well balanced formulation within 6 months of purchase date. Use within a year of purchase date if using “as is” and not within a formulation.		<b>Storage condition:</b> Store in cool, dry place away from light in airtight container.
--	--	---

<b>Analysis Specifications</b>		
=====		
TEST.....	SPECIFICATIONS.....	OBSERVATIONS
=====		
Appearance.....	Colorless, liquid form.....	Colorless, liquid form
Color.....	Colorless.....	Colourless
Odour.....	Characteristic.....	Complies
Texture.....	Liquid form.....	Complies
pH .....	Neutral, at 6.5-7.....	Complies
Residues: The product is free from any residues of chemical insecticides, pesticides & herbicides. This product contains no heavy metals.		



# Organic Creations, Inc.

5601 E 18<sup>th</sup> Street, Suite #201

Vancouver, WA 98661

503-669-6890

www.organic-creations.com

## Certificate Of Analysis Sheet

**Lemon Verbena Hydrosol Water, Organic**

*Aloysia citriodora*

Lot#: LVCS23914	Production Date: 12/2020
Botanical Origin: Portugal	

### Product Information

Extraction Method: STEAM DISTILLED	Parts Used: LEAF
---------------------------------------	------------------

### Shelf Life:

**If purchased with GSB, 1%:** Use inside a well balanced formulation within 6 months of purchase date. Use within a year of purchase date if using “as is” and not within a formulation.

**Storage condition:** Store in cool, dry place away from light in airtight container.

### Analysis Specifications

TEST.....	SPECIFICATIONS.....	OBSERVATIONS
Appearance.....	Colorless, liquid form.....	Colorless, liquid form
Color.....	Colorless.....	Colourless
Odour.....	Characteristic.....	Complies
Texture.....	Liquid form.....	Complies
pH .....	Neutral, at 6.5-7	Complies
Residues: The product is free from any residues of chemical insecticides, pesticides & herbicides. This product contains no heavy metals.		
Storage condition: Store in cool, dry place away from light in airtight container.		



# Organic Creations, Inc.

5601 E 18<sup>th</sup> Street, Suite #201

Vancouver, WA 98661

503-669-6890

www.organic-creations.com

## Certificate Of Analysis

### Olive Leaf Hydrosol Water, Certified Organic

*Olea europaea*

LOT #: OLVL73067	Production Date: 12/2020
Botanical Origin: Spain	

Product Information	
Extraction Method: STEAM DISTILLED	Parts Used: Leaf

<b>Shelf Life:</b>		
<b>If purchased with GSB, 1%:</b> Use inside a well balanced formulation within 6 months of purchase date. Use within a year of purchase date if using “as is” and not within a formulation.		Storage condition: Store in cool, dry place away from light in airtight container.

Analysis Specifications		
=====		
TEST.....SPECIFICATIONS.....OBSERVATIONS		
=====		
Appearance.....	Colorless, liquid form.....	Colorless, liquid form
Color.....	Colorless.....	Colourless
Odour.....	Characteristic.....	Complies
Texture.....	Liquid form.....	Complies
pH .....	Neutral, at 6.5-7.....	Complies
Residues: The product is free from any residues of chemical insecticides, pesticides & herbicides. This product contains no heavy metals.		



# Organic Creations, Inc.

5601 E 18<sup>th</sup> Street, Suite #201

Vancouver, WA 98661

503-669-6890

www.organic-creations.com

## Certificate Of Analysis Sheet

### RASPBERRY LEAF HYDROSOL

*Rubus idaeus*

<b>LOT #:</b> RLCS25061	<b>Production Date:</b> 12/2020
<b>Botanical Origin:</b> Bulgaria	

Product Information	
Extraction Method: STEAM DISTILLED	Parts Used: LEAF

Shelf Life:	
<p><b>If purchased with GSB, 1%:</b> Use inside a well balanced formulation within 6 months of purchase date. Use within a year of purchase date if using “as is” and not within a formulation.</p>	<p><b>Storage condition:</b> Store in cool, dry place away from light in airtight container.</p>

### Analysis Specifications

=====

TEST.....SPECIFICATIONS.....OBSERVATIONS

=====

Appearance.....Colorless, liquid form.....Colorless, liquid form

Color.....Colorless.....Colourless

Odour.....Characteristic.....Complies

Texture.....Liquid form.....Complies

pH .....Neutral, at 6.5-7.....Complies

Residues: The product is free from any residues of chemical insecticides, pesticides & herbicides. This product contains no heavy metals.



# Organic Creations, Inc.

21940 SE Stark St.

Gresham, OR 97030

503-669-6890

www.organic-creations.com

## Certificate Of Analysis Sheet

**RED CLOVER HYDROSOL WATER, CERTIFIED ORGANIC**

*Trifolium pratense*

<b>Lot#:</b> RCB75678	<b>Production Date:</b> 12/2020
<b>Botanical Origin:</b> CROATIA	

<b>Product Information</b>	
<b>Extraction Method:</b> STEAM DISTILLED	<b>Parts Used:</b> FLOWERS

<b>Shelf Life:</b>		
<b>If purchased with GSB, 1%:</b> Use inside a well balanced formulation within 6 months of purchase date. Use within a year of purchase date if using “as is” and not within a formulation.		<b>Storage condition:</b> Store in cool, dry place away from light in airtight container.

### **Analysis Specifications**

=====

TEST.....SPECIFICATIONS.....OBSERVATIONS

=====

Appearance.....Colorless, liquid form.....Colorless, liquid form

Color.....Colorless.....Colourless

Odour.....Characteristic.....Complies

Texture.....Liquid form.....Complies

pH .....Neutral, at 6.5-7.....Complies

Residues: The product is free from any residues of chemical insecticides, pesticides & herbicides. This product contains no heavy metals.

### DEFINITION

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**AstaPure<sup>®</sup> Skin** is a concentrated form of astaxanthin (carotenoid), obtained from CO2 supercritical extraction of the micro-algae *Haematococcus pluvialis*, stabilized in olive oil (*Olea europaea*)

### PRESENTATION

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- **Sample** opaque glass flask - 5 g
- **Code / Packaging** FA056KM – aluminium can 100 g  
*to be mentioned with your order* FA056KB – aluminium can 1 kg

### ORGANOLEPTIC CHARACTERISTICS

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- **Appearance** oleoresin
- **Color** red to brown red
- **Odor** characteristic

### ANALYTICAL CHARACTERISTICS

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- **Water content** ≤ 1%  
*Karl Fisher Ph. Eur. § 2.5.12*
- **Astaxanthin** ≥ 10%  
*U.S. Pharmacopeia (FCC11)  
Monograph for Astaxanthin Esters from Haematococcus pluvialis*

### MICROBIOLOGICAL CHARACTERISTICS

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- **Total aerobic microbial count** ≤ 100 C.F.U/g  
*Eur. Ph. § 2.6.12 – 2.6.13*
- **Specified germs** (*Escherichia coli, Candida albicans, Pseudomonas aeruginosa, Staphylococcus aureus*) absence  
*Eur. Ph. § 2.6.12 – 2.6.13*
- **Total combined yeasts - molds count** ≤ 10 C.F.U/g  
*Eur. Ph. § 2.6.12 – 2.6.13*



## ADDITIONAL ANALYSES

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- **Arsenic** ≤ 1.0 ppm  
EN 15763:2009 ICP-MS
- **Lead** ≤ 1.0 ppm  
EN 15763:2009 ICP-MS
- **Mercury** ≤ 0.1 ppm  
EN 15763:2009 ICP-MS
- **Cadmium** ≤ 1.0 ppm  
EN 15763:2009 ICP-MS

## SOLUBILITIES (0.01% DILUTED)

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- |                          |             |                       |             |
|--------------------------|-------------|-----------------------|-------------|
| • <b>Water</b>           | non soluble | • <b>Glycerin</b>     | non soluble |
| • <b>Alcohol 20% v/v</b> | non soluble | • <b>Mineral oils</b> | soluble     |
| • <b>Butylene glycol</b> | non soluble | • <b>Vegetal oils</b> | soluble     |

## STORAGE AND USE

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- **Shelf life** 48 months in closed original packaging at 4°C  
24 months in closed original packaging at 25°C, away from light
- **Preservative system** none
- **Additives** antioxidant: tocopherol (≤0.35%) and *Glycine max (soybean) oil* (≤0.15%)
- **Storage conditions** store between 2-8°C  
after opening, repackage under nitrogen
- **Use conditions** pre-heat for a maximum of 30 minutes at 60°C,  
mix before use

## LEGISLATIVE INFORMATION

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- **INCI** MODIFICATION Haematococcus pluvialis extract (and) Olea europaea fruit oil (and) Tocopherol (and) Glycine max oil
- **CTFA** Haematococcus pluvialis (algae) extract (and) Olea europaea (olive) fruit oil (and) Tocopherol (and) Glycine max (soybean) oil
- **CAS**

Haematococcus pluvialis extract	-
Olea europaea fruit oil	8001-25-0
Tocopherol	1406-66-2
Glycine max oil	-
- **EINECS**

Haematococcus pluvialis (algae) extract	-
Olea europaea (olive) fruit oil	232-277-0
Tocopherol	-
Glycine max (soybean) oil	-



## CERTIFICATE of ANALYSIS (COA)

Bergamot FCF - Organic (SKU 130 lot 12)

LATIN NAME	<i>Citrus aurantium var. bergamia</i>
COUNTRY OF ORIGIN	Italy
CULTIVATION METHOD	Certified Organic (USDA, NOP)
TYPE	Essential Oil
EXTRACTION METHOD	Cold Pressed and Vacuum Distilled
PLANT PART	Peels
USE	Aromatherapy, Natural Perfumery

ANALYZED	July 13, 2020
MANUFACTURED	February 1, 2020
RETEST	February 1, 2022

SPECIFIC GRAVITY @ 20C	0.87
REFRACTIVE INDEX @ 20C	1.47
OPTICAL ROTATION @ 20C	32.60

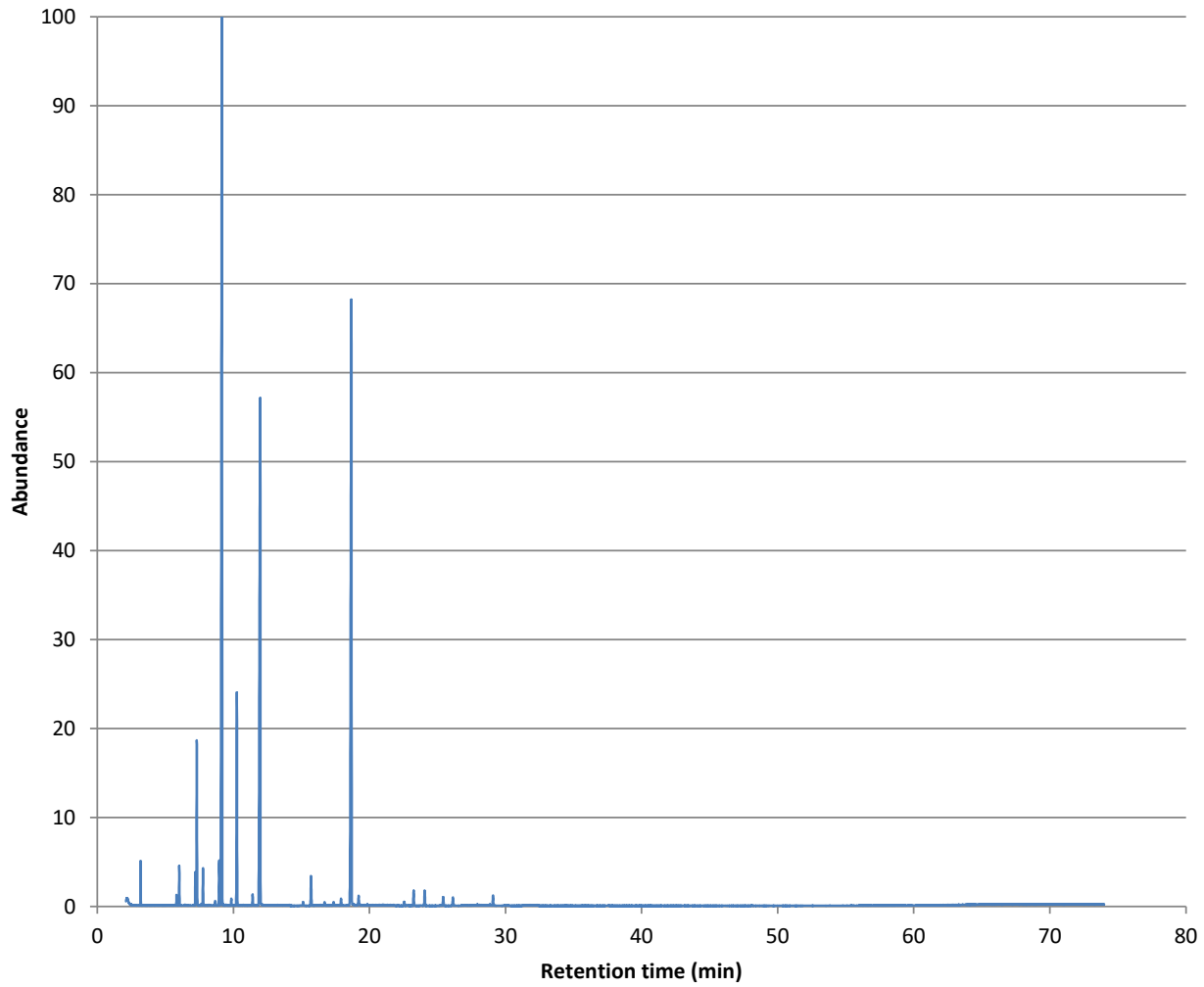
PHYSICAL APPEARANCE	Transparent liquid
COLOR	Colorless to pale yellowish-green
ODOR	Fresh, sweet citrus aroma
SOLUBILITY	Soluble in alcohol and fixed oils.
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to preserve freshness.

COMMENTS	
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COMPONENT	Actual %	CAS
Limonene <sup>2</sup>	34.94%	138-86-3
Linalyl acetate	25.48%	115-95-7
Linalool <sup>2</sup>	22.88%	78-70-6
gamma-Terpinene	5.77%	99-85-4
beta-Pinene	3.80%	127-91-3
para-Cymene	1.25%	99-87-6
alpha-Terpineol	0.90%	98-55-5
Myrcene <sup>1</sup>	0.85%	123-35-3
alpha-Pinene	0.81%	80-56-8
Sabinene	0.70%	3387-41-5
Neryl acetate	0.43%	141-12-8
Geranyl acetate	0.42%	105-87-3
beta-Bisabolene	0.30%	4891-79-6
Terpinolene	0.28%	586-62-9
(E)-Caryophyllene	0.26%	13877-93-5
alpha-trans-Bergamotene	0.23%	13474-59-4
alpha-Thujene	0.20%	2867-05-2

(E)-, beta-Ocimene	0.16%	3779-61-1
alpha-Terpinene	0.10%	99-86-5
Terpinen-4-ol	0.07%	562-74-3
Nerol	0.05%	106-25-2
Neral <sup>2</sup>	0.04%	106-26-3
alpha-Terpinyl acetate	0.03%	80-26-2
6-methyl-Hept-5-en-2-one	0.02%	110-93-0
1,8-Cineole	0.01%	470-82-6
Total Deleted Low Purity Peaks	0.01%	
Not Identified Peaks	0.00%	
<sup>1</sup> = Proposition 65 compound, <sup>2</sup> = EU Allergen		

MS Results for SKU 130 lot 12



# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** HIBISCUS FLOWERS C/S ORGANIC  
**PRODUCT ITEM NO:** 209355-30  
**PRODUCT LOT NO:** 11566-33  
**BOTANICAL NAME:** *Hibiscus sabdariffa*  
**ORIGIN:** Egypt  
**DESCRIPTION:** Flowers - Cut & Sifted. Purple red colored flowers with an acidic, fruity aroma and an acidic flavor.  
**PRODUCTION:** Certified organic to NOP standard

TEST	METHOD	SPECIFICATION	RESULTS
<b>PRODUCT PROFILE</b>			
PARTICLE SIZE:	USP	Minimum 95% through 4 mesh	98% through 4 mesh
		Minimum 95% over 14 mesh	97% over 14 mesh
EXTRANEIOUS MATTER, ORGANIC	USP	Less than 2%	Complies
EXTRANEIOUS MATTER, INORGANIC	USP	Less than 1%	Complies
IDENTIFICATION:	SWP004	Conforms to standard	Conforms
HEAVY METAL:	ICP-MS		
Arsenic		Less than 1 ppm	0.12 ppm
Cadmium		Less than 1 ppm	0.09 ppm
Lead		Less than 3 ppm	0.17 ppm
Mercury		Less than 1 ppm	0.79 ppm
MOISTURE CONTENT:	USP	Less than 10%	4.4%
<b>MICROBIOLOGICAL</b>			
TOTAL AEROBIC PLATE COUNT:	3 M petrifilm	Less than 10,000,000 cfu/gram	320,000 cfu/g
YEAST AND MOLD COUNT:		Less than 100,000 cfu/gram	450 cfu/g
COLIFORM COUNT:		Less than 10,000 cfu/gram	Less than 100 cfu/g
E. COLI:		Less than 10 cfu/gram	Negative
SALMONELLA SPP:	BAM 25 gm	Negative	Negative

**CERTIFICATIONS:** Kosher by Kosher Certification Service; Certified Organic by Quality Assurance International  
**LABEL WARNING:** Product may be intercropped with peanuts. And may contain peanut fragments and or peanut shells fragments.

**ALLERGEN:** None

**GMO STATUS:** Product is Non-GMO

**MANUFACTURE DATE:** 07/13/2021

**EXPIRATION DATE:** 07/13/2024

**STORAGE:** Cool and dry, not to exceed 90F

**PRODUCT TREATMENT:** Steam treated for microbial reduction

**PACKAGING:** Product shall be packaged in new, clean, protective containers approved for carrying food grade materials. Containers shall be marked with the supplier's name, item name, item number, ingredient statement and, lot number, net weight and country of origin. If applicable kosher and organic designations shall also be marked on label.

Approved by C. McThorn – Quality Control Manager

This information is presented in good faith, but is not warranted as to accuracy of results. This information is offered solely for your investigation, verification and consideration. Final determination of suitability of any material is the sole responsibility of the user.

# Phenbiox SRL

## HPO - HYDROPOM

Revision nr.4  
Dated 19/07/2018  
Printed on 31/07/2018  
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### Safety data sheet

#### SECTION 1. Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Code: HPO  
Product name: HYDROPOM

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: Cosmetic ingredient

##### 1.3. Details of the supplier of the safety data sheet

Name: Phenbiox SRL  
Full address: Via D'Azeglio 51  
District and Country: 40123 Bologna (Bo) Italia  
Tel. 051726640  
Fax 051726640

e-mail address of the competent person responsible for the Safety Data Sheet

info@phenbiox.it

##### 1.4. Emergency telephone number

For urgent inquiries refer to:  
Centro antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Ca' Granda) - H24  
Centro antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri)  
Centro antiveleni di Bergamo 800 883300 (CAV Ospedali riuniti)  
Centro antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi)  
Centro antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli)  
Centro antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I)  
Centro antiveleni di Napoli 081 7472870 (CAV Ospedale Cardarelli)

#### SECTION 2. Hazards identification

##### 2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to EC Regulation 1907/2006 and subsequent amendments.

Hazard classification and indication: --

##### 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal words: --

Hazard statements:  
EUH210 Safety data sheet available on request.

Precautionary statements: --

##### 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

# Phenbiox SRL

## HPO - HYDROPOM

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### SECTION 3. Composition/information on ingredients

#### 3.1. Substances

Information not relevant

#### 3.2. Mixtures

##### Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
----------------	-------------	--------------------------------

##### CITRIC ACID MONOHYDRATE

CAS	5949-29-1	$1 \leq x < 1,5$	Eye Irrit. 2 H319
-----	-----------	------------------	-------------------

EC	201-069-1		
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INDEX

Reg. no. 01-2119457026-42

The full wording of hazard (H) phrases is given in section 16 of the sheet.

### SECTION 4. First aid measures

#### 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

#### 4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Information not available

### SECTION 5. Firefighting measures

#### 5.1. Extinguishing media

##### SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

##### UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

#### 5.2. Special hazards arising from the substance or mixture

##### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products. The product is combustible and, when the powder is released into the air in sufficient concentrations and in the presence of a source of ignition, it can create explosive mixtures with air. Fires may start or get worse by leakage of the solid product from the container, when it reaches high temperatures or through contact with sources of ignition.

#### 5.3. Advice for firefighters

##### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

##### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with

# Phenbiox SRL

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self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

### SECTION 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

#### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

#### 6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage

#### 7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

#### 7.3. Specific end use(s)

Information not available

### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

CITRIC ACID MONOHYDRATE		
Predicted no-effect concentration - PNEC		
Normal value in fresh water	440	mg/l
Normal value for fresh water sediment	752	mg/kg
Normal value for marine water sediment	752	mg/kg
Normal value for the terrestrial compartment	292	mg/kg

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

#### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

##### HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends



# Phenbiox SRL

## HPO - HYDROPOM

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EN

### SECTION 8. Exposure controls/personal protection ... / >>

on the duration and type of use.

#### SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

#### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

### SECTION 9. Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Appearance	liquid
Colour	Not available
Odour	Not available
Odour threshold	Not available
pH	2,6-3,5
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 100 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1,00 g/cm <sup>3</sup>
Solubility	soluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

#### 9.2. Other information

Information not available

### SECTION 10. Stability and reactivity

#### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

#### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

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### SECTION 10. Stability and reactivity ... / >>

#### 10.4. Conditions to avoid

Avoid overheating.

#### 10.5. Incompatible materials

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

#### 10.6. Hazardous decomposition products

Information not available

### SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

#### 11.1. Information on toxicological effects

##### Metabolism, toxicokinetics, mechanism of action and other information

Information not available

##### Information on likely routes of exposure

Information not available

##### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

##### Interactive effects

Information not available

##### ACUTE TOXICITY

LC50 (Inhalation) of the mixture:	Not classified (no significant component)
LD50 (Oral) of the mixture:	Not classified (no significant component)
LD50 (Dermal) of the mixture:	Not classified (no significant component)

##### CITRIC ACID MONOHYDRATE

LD50 (Oral)	11700 mg/kg Ratto
LD50 (Dermal)	> 2000 mg/kg Ratto

##### SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

##### SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

##### RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

##### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

##### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

##### REPRODUCTIVE TOXICITY

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### SECTION 11. Toxicological information ... / >>

Does not meet the classification criteria for this hazard class

#### STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

#### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

#### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

### SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

#### 12.1. Toxicity

CITRIC ACID MONOHYDRATE  
LC50 - for Fish > 440 mg/l/96h *Leuciscus idus*.

#### 12.2. Persistence and degradability

Information not available

#### 12.3. Bioaccumulative potential

Information not available

#### 12.4. Mobility in soil

Information not available

#### 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

#### 12.6. Other adverse effects

Information not available

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.  
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.  
CONTAMINATED PACKAGING  
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

### SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

#### 14.1. UN number

Not applicable



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### SECTION 16. Other information ... / >>

- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

#### GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

#### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

#### Changes to previous review:

The following sections were modified:

01.