



## CERTIFICATE OF ANALYSIS

### ORGANIC TAMANU OIL (DARK)

**Batch No.: 4361909**

**Best Before End: June 2021**

Analysis Description	Minimum Value	Maximum Value	Result	Compliance
Appearance			Mobile liquid	Pass
Colour			Yellow/green/brownish	Pass
Odour			Characteristic	Pass
Specific Gravity at 20°C	0.900	0.980	0.937	Pass
Refractive Index at 20°C	1.300	1.500	1.476	Pass
Acid Value		80.0	29.5	Pass
Free Fatty Acid % (as Oleic)		40.0	13.5	Pass
Peroxide Value (at production)		10.0	3.03	Pass
C16:0 Palmitic %	7.0	16.0	15	Pass
C18:0 Stearic %	12.0	18.0	16.5	Pass
C18:1 Oleic %	37.0	48.0	38.1	Pass
C18:3 Linolenic %		2.0	0.3	Pass
C20:0 Arachidic %		2.0	0.7	Pass
C20:1 Eicosenic %		1.0	0.2	Pass

Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air.

Expiry date must be considered as subjective; the expiry date given here is based on the best of our knowledge and experience of the material when stored under recommended conditions in original unopened containers.

Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However, we ensure that this does not affect the quality and efficacy of the products in any way.

We hereby certify that the above material meets the required specification and is released for free sale.



## ALLERGENS DECLARATION

Product Name	Tamanu Organic Oil	
INCI Name	Calophyllum Inophyllum Seed Oil	
Material	CAS Number	Cosmetic Allergens Inclusion (%)
AMYL CINNAMAL	122-40-7	-
BENZYL ALCOHOL	100-51-6	-
CINNAMYL ALCOHOL	104-54-1	-
CITRAL	5392-40-5	-
EUGENOL	97-53-0	-
HYDROXYCITRONELLAL	107-75-5	-
ISO EUGENOL	97-54-1	-
AMYL CINNAMYL ALCOHOL	101-85-9	-
BENZYL SALICYLATE	118-58-1	-
CINNAMAL	104-55-2	-
COUMARIN	91-64-5	-
GERANIOL	106-24-1	-
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	-
ANISE ALCOHOL	105-13-5	-
BENZYL CINNAMATE	103-41-3	-
FARNESOL	4602-84-0	-
BUTYLPHENYLMETHYLPROPIONAL	80-54-6	-
LINALOOL	78-70-6	-
BENZYL BENZOATE	120-51-4	-
CITRONELLOL	106-22-9	-
HEXYL CINNAMAL	101-86-0	-
LIMONENE	5989-27-5	-
METHYL 2-OCTYNOATE	111-12-6	-
ALPHA-ISOMETHYLIONONE	127-51-5	-
EVERNIA PRUNASTRI EXTRACT	90028-68-5	-
EVERNIA FURFURACEA EXTRACT	90028-67-4	-

### DISCLAIMER:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



## SAFETY DATA SHEET ORGANIC TAMANU OIL (DARK)

This SDS is not mandated under REACH Regulation (EC) No 1907/2006 and is provided for information only.

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

#### 1.1. Product identifier

**Product name** ORGANIC TAMANU OIL (DARK)  
**Product number** OVCTAMA

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

**Identified uses** Not applicable

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

**Supplier** MADAR Corporation Ltd  
19-20 Sandleheath Industrial Estate  
Fordingbridge  
Hampshire  
SP6 1PA

+44 (0) 1425 655555

**Approved sellers** Cosmetic Butters, Mystic Moments, New Directions, World of Moulds

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1425 655555 Office Hours are 09:00 - 16:00 weekdays only

### SECTION 2: Hazards identification

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

##### Classification

**Comment** This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

**Physical hazards** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Not Classified

**Classification (67/548/EEC or 1999/45/EC)** -

#### 2.2. Label elements

**Hazard statements** NC Not Classified

#### 2.3. Other hazards

## ORGANIC TAMANU OIL (DARK)

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Product name ORGANIC TAMANU OIL (DARK)

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information** No specific recommendations.

**Inhalation** Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion** If necessary, rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

**Skin contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

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

**Notes for the doctor** No specific recommendations.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media** Water.

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

**Hazardous combustion products** Oxides of carbon.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Containers close to fire should be removed or cooled with water.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

**Personal precautions** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. In case of spills, beware of slippery floors and surfaces.

#### 6.2. Environmental precautions

**Environmental precautions** No negative effects on the aquatic environment are known.

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

**Methods for cleaning up** Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage.

## ORGANIC TAMANU OIL (DARK)

### 6.4. Reference to other sections

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

**Usage precautions** Handle all packages and containers carefully to minimise spills.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

**Storage class** Unspecified storage.

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

#### SECTION 8: Exposure Controls/personal protection

##### 8.1. Control parameters

##### 8.2. Exposure controls

###### Protective equipment



###### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

###### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

###### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

###### Hygiene measures

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

###### Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

#### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Yellow. / Green. / Brownish.
<b>Odour</b>	Characteristic.
<b>Relative density</b>	~ 0.940 @ 20°C

##### 9.2. Other information

<b>Refractive index</b>	~ 1.400 @ 20°C
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## ORGANIC TAMANU OIL (DARK)

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Will not polymerise.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

#### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents. Strong acids. Strong alkalis.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**General information** No specific health hazards known.

**Inhalation** No specific health hazards known.

**Ingestion** No specific health hazards known. No harmful effects expected from quantities likely to be ingested by accident.

**Skin contact** No specific health hazards known.

**Eye contact** Vapour or spray in the eyes may cause irritation and smarting.

**Acute and chronic health hazards** No specific health hazards known.

**Medical symptoms** No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

**Medical considerations** May cause allergic contact eczema. Prolonged or repeated exposure may cause the following adverse effects: Allergic rash. Get medical attention.

### SECTION 12: Ecological Information

**Ecotoxicity** No negative effects on the aquatic environment are known.

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

#### 12.4. Mobility in soil

**Mobility** The product is insoluble in water.

## ORGANIC TAMANU OIL (DARK)

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

**General information** Waste is suitable for incineration.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

#### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

##### 14.1. UN number

Not applicable.

##### 14.2. UN proper shipping name

Not applicable.

##### 14.3. Transport hazard class(es)

No transport warning sign required.

##### 14.4. Packing group

Not applicable.

##### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

##### 14.6. Special precautions for user

Not applicable.

##### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

#### SECTION 15: Regulatory information

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

**EU legislation** Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

**Guidance** Workplace Exposure Limits EH40.

##### 15.2. Chemical safety assessment

## ORGANIC TAMANU OIL (DARK)

### SECTION 16: Other information

**Key literature references and sources for data** European Chemicals Agency, <http://echa.europa.eu/>

**Issued by** Regulatory Manager

**Revision date** 17/05/2016

**Revision** 0

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## MATERIAL SPECIFICATION

### ORGANIC TAMANU OIL (DARK)

Analysis Description	Minimum Value	Maximum Value	Description
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Peroxide Value (at production)		10.0	
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C18:0 Stearic %	12.0	18.0	
C18:1 Oleic %	37.0	48.0	
C18:3 Linolenic %		2.0	
C20:0 Arachidic %		2.0	
C20:1 Eicosenic %		1.0	

Issue Date: 19/06/17

Shelf Life: 12 Months

Revision: 1

Revision Date: 19/06/2017

Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air. Shelf life must be considered as subjective; the shelf life given here is based on the best of our knowledge and experience of the material when stored under recommended conditions, see SDS, in original unopened containers. Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However, we ensure that this does not affect the quality and efficacy of the the products in any way.

## DATA SHEET

### ORGANIC TAMANU OIL (DARK)

**INCI name:** Calophyllum Inophyllum Seed Oil

**Synonyms:** Beauty leaf oil, Calophyllum inophyllum oil, Kamani oil, Calophyllum oil, Calophyllum inophyllum essential oil, Dilo oil, Foraha oil, Alexandrian laurel oil, Poon oil, Nyamplung oil, Domba oil, Undi oil, Pinnai oil, Fetau oil, Punnai oil, Daok oil, Pinnay oil, Kamanu oil, Bitag oil, Tamanu nut oil, Punna oil.

**Country of Origin:** Vietnam, India

**CAS Number:** -

**EC Number:** -

**Status:** 100% Pure & Natural



#### **General Description**

Calophyllum inophyllum is a large, low-branching and slow-growing evergreen tree with a broad and irregular crown. It usually reaches 8 to 20 m in height. Its trunk is thick, bent, sometimes convoluted, measuring up to 1.5 m in diameter. It is covered with rough black, hard and cracked bark, which when cut, exudes a sticky and opaque white to yellow latex.

The white flower is 25 mm wide and consists of a cluster of four to 5 flowers, with oblong shaped petals. Flowering can occur year-round, but usually two distinct flowering periods are observed, in late spring and in late autumn.

The fruit (the ball nut) is a round, green drupe reaching 2 to 4 cm in diameter and having a single large seed. When ripe, the fruit is wrinkled and its colour varies from yellow to brownish-red. The kernel is 1.5 cm diameter, enclosed in a soft seed coat and a hard seed coat.

#### **Extraction**

Calophyllum Inophyllum Seed oil is the fixed oil expressed from the seeds of Calophyllum inophyllum, Hypericaceae.

#### **Common Uses/Applications**

- Carrier oil used in aromatherapy applications.
- Component in soaps and cosmetic products.

#### **Aromatherapy Actions/Uses**

- Considered to have the following properties: Antimicrobial, anti-oxidant, anti-inflammatory, Emollient, Analgesic, Anti-neuralgic.
- Regarded to be helpful for: sore throats, neuralgia, rheumatism and sciatica. Prevents nappy rash and skin eruptions and eliminates body & foot odour.

### **Animal Non-Testing Declaration**

MADAR Corporation has never been involved in animal testing or retesting for any of its products, nor has it sanctioned any third party to conduct such testing.

### **Transmissible / Bovine Spongiform Encephalopathy (T.S.E/B.S.E)**

This product does not contain, and is not derived from, specified risk material as defined in Commission Decision 97/534/EC or mechanically recovered meat obtained from the vertebral column of bovine, ovine or caprine animals. During production, storage and transport there is no contact with any extracts of animal (cattle, sheep, goat etc) origin and a cross contamination is excluded.

Product is therefore free from Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE).

### **Statement on Genetically Modified Organisms**

We confirm to the best of our knowledge that this product does not contain nor has been produced with the aid of any genetically modified organism. In consequence, this product will not contain any detectable residues of protein or DNA resultant from genetic modification.

**The data provided in this document is meant to represent anecdotal, typical data and information for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.**

Revision Date: 19/05/2016

Revision: 0