



## *Certificate of Analysis*

### PRODUCT IDENTIFICATION AND COMPOSITION

Product Name:	Karanj Seed Essential Oil
Product Code:	OEKARA
Batch Number:	4469706
Best Before Date:	September 2023

### PHYSICAL AND CHEMICAL PROPERTIES

Test	Specification	Result
Appearance:	Yellow Unpleasant	Conforms
Odour:	characteristic	Conforms
Refractive Index @ 20°C:	1.4734-1.4790	Conforms
Acid Value:	NMT 20	Conforms
Iodine Value:	80 - 90	Conforms
Saponifiable Value:	185.0 - 195.0	Conforms
Unsaponifiable Matter:	3.0 - 5.0	Conforms

### STORAGE CONDITIONS

Store in full, original, tightly closed container in a cool place, away from heat and direct sunlight. To limit oxidation the contents of the container should all be used once opened. Otherwise the container should be tightly closed each time it is opened, and the oil re-tested before use.



## SPECIFICATION SHEET

### KARANJA OIL

BOTANICAL NAME : *Pongamia pinnata* Pierre

**Product Description :** A moderate sized tree with spreading branches, quite glabrous, almost evergreen. Leaves shining. Flowers in axillary racemes, corolla white-pink. Fruit a pod, woody; seeds .

TEST	SPECIFICATION	STP
Description	Yellow colored oil with unpleasant smell; has a tendency to darken on storage	Visual and organoleptic examination
Refractive Index	: 1.4734 to 1.4790	IP-96, A-96
Acid Value	NMT 20	IP-96, A-50
Iodine Value	80.0 to 90.0	IP-96, A-51
Saponification Value	: 185.0 to 195.0	IP-96, A52
Unsaponifiable Matter	: 3.0 to 5.0	IP-96, A52
Sedimentation	NIL	Centrifuge @3000 RPM for 15 min
USES	: FLAVOUR AND FRAGRANCE INDUSTRY, PERFUMERY COMPOUND, SOAPS.CANDLES	



## QUALITY CONTROL DEPARTMENT

### DECLARATION OF ALLERGENS

<u>PRODUCT</u>	<b>KARANJA SEED OIL</b>	
<u>MATERIAL</u>	<u>CAS NUMBER</u>	<u>TOTAL ALLERGEN INCLUSION LEVEL (%)</u>
AMYL CINNAMAL	122-40-7	
BENZYL ALCOHOL	100-51-6	-
CINNAMYL ALCOHOL	104-51-6	-
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	-
BUTYLPHENYL METHYLPROPIONAL	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-ISOMETHYL IONONE	127-51-5	-
EVERNIA PRUNASTRI EXTRACT	90028-68-5	-
EVERNIA FURFURACEA EXTRACT	90028-67-4	-

No allergen

FEBRUARY 2020



## **GMO Statement**

PRODUCT NAME: KARANJ SEED

MADAR Corporation Limited can confirm that the above listed product is GMO Free.

## **Vegetarian & Vegan Suitability Statement**

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

20/02/20



## IFRA

Product Name	KARANJA OIL		
INCI Name	<i>Pongamia pinnata</i> Pierre		
Revision No	01	DATE	21.02.2020

We certify that the above compound is in compliance with the standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA 48<sup>TH</sup> Amendment), provided it is used in the following class(es) at a maximum concentration level of :

IFRA Class(es) (See Annex for Details)	Max Level of Use (%)
Class 1(*)	No Limit(*)
Class 2	No Limit
Class 3A	No Limit
Class 3B	No Limit
Class 3C	No Limit
Class 3D	No Limit
Class 4A	No Limit
Class 4B	No Limit
Class 4C	No Limit
Class 4D	No Limit
Class 5	No Limit
Class 6(*)	No Limit(*)
Class 7A	No Limit
Class 7B	No Limit
Class 8A	No Limit
Class 8B	No Limit
Class 9A	No Limit
Class 9B	No Limit
Class 9C	No Limit
Class 10A	No Limit
Class 10B	No Limit
Class 11	No Limit

(\*) IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings.

For other kinds of application or use at higher concentration levels, a new safety evaluation may be needed.



## SAFETY DATA SHEET KARANJA OIL

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** KARANJA OIL (COLD PRESSED)  
**Product Use:** Personal Care Formulations  
**Company Name:** MADAR Corporation Limited  
**Company Address:** 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire,  
SP6 1PA  
**Date Issued:** 22/02/2020  
**Emergency Telephone Number:** 01425 655555

### 2. COMPOSITION/INGREDIENT INFORMATION

**Chemical Identity:** Karanja (Pongamia glabra) seed oil  
**Hazardous Components:** None  
**Exposure Limits:** N/A  
**CAS #:**

### 3. HAZARDS IDENTIFICATION

**Eye Contact:** No hazard  
**Skin Contact:** No hazard  
**Ingestion:** No hazard  
**Inhalation:** No hazard

### 4. FIRST AID MEASURES

**Eyes:** Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.  
**Skin:** Wash with soap and water- get medical attention if irritation occurs.  
**Ingestion:** N/A  
**Inhalation:** N/A  
**Medical Conditions Generally Aggravated by Exposure:** None

### 5. FIRE FIGHTING MEASURES

**Flash Point:** > 100°C  
**Extinguishing Media:**

- Dry Chemical
- Carbon Dioxide
- Foam

**Note:** Do not use water except to cool containers.

**Hazardous Decomposition Products:** Not known

- Special Firefighting Procedures:**
- Combustible material. Limit the spread of oil.
  - Use air supplied equipment for fighting interior fires.
  - Cool fire exposed containers with water spray.
- Unusual Fire & Explosion Hazards:** Not established

## 6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- Personal Protection:** N/A
- Environmental Protection:** Notify authorities if large amounts of product enters sewer.
- Methods for Cleaning Up:**
- Absorb onto an inert, absorbent substrate and sweep up.
  - Wash area with soap and water. Area may be slippery; take precautions.

## 7. HANDLING AND STORAGE

### Handling

- Safe Handling:**
- Wear safety glasses.
  - Keep away from oxidizing agents, excessive heat and sources of ignition.

### Storage

- Requirements for Storage Areas and Containers:** Store in a cool (below 40 °C), dry location, in a sealed container in a well ventilated area.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

- Engineering Controls:** None
- Personal Protection**
- Eye:** Safety glasses may be worn.
- Skin/Body:** Lab coats and gloves may be worn.
- Respiratory:** Not needed under normal conditions of use in well ventilated area.
- Ventilation:** Good ventilation is sufficient.
- Other:** Evaluate need based on application. Slip proof shoes may be worn where spills may occur.
- Work/Hygiene Practice:** Normal work and hygiene practices for handling non-hazardous liquid material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical State:** Liquid, viscous
- Color:** Brown
- Odor:** Characteristic
- Specific Gravity (H<sub>2</sub>O = 1):** 0.98 g/cm<sup>3</sup>
- Vapor Pressure (mm Hg.):** Negligible
- Melting Point:** - 5 °C
- Boiling Point:** > 100°C
- Auto Ignition Temperature:** > 200°C
- Solubility in Water:** Insoluble

## **10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Excessive heat and sources of ignition
<b>Incompatibility (Materials to Avoid):</b>	Avoid strong oxidizers
<b>Hazardous Decomposition or Byproducts:</b>	None (Thermal decomposition products are H <sub>2</sub> O and CO <sub>2</sub> )
<b>Hazardous Polymerization:</b>	Will Not Occur

## **11. TOXICOLOGICAL INFORMATION**

<b>Signs and Symptoms of Exposure:</b>	No information
<b>Toxicity Data:</b>	No information
<b>Medical Conditions Generally Aggravated by Exposure:</b>	None
<b>Irritancy:</b>	Skin: Not expected to be an irritant Eyes: Not expected to be an irritant
<b>Carcinogenicity:</b>	None
<b>Reproductive Toxicity:</b>	N/A
<b>Teratogenicity:</b>	N/A
<b>Mutagenicity:</b>	N/A
<b>Name of toxicologically synergistic products:</b>	N/A

## **12. ECOLOGICAL INFORMATION**

<b>Ecological Information:</b>	No ecological hazards are associated with this product.
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## **13. DISPOSAL CONSIDERATIONS**

<b>Waste Disposal Methods:</b>	Do not put into sewer lines. Dispose of according to local, state and federal regulations.
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## **14. TRANSPORT INFORMATION**

<b>DOT Classification:</b>	Not regulated
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## **15. REGULATORY INFORMATION**

No Information

## **16. ADDITIONAL INFORMATION**

This information is provided for documentation purposes only.  
This product is not considered hazardous.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.





SPECIFICATION SHEET

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CUSTOMS TARRIF NO. : 3301.29.00.00

COUNTRY OF ORIGIN : INDIA

IFRA : Not restricted by IFRA



## BREIF MANUFACTURING PROGRESS FLOW CHART

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### Manufacturing process of Karanja Seed Oil

- harvesting Seed of Karanja →
- Collecting Seed of Karanja →
- Drying the Seed of Karanja in sun light →
  - Filling of Seed of Karanja in Machine →
  - Cold process (pressing) start →
  - Collection of oil from Tank →
  - Filtration of oil and dirty part. →
    - Storage of Oils in drums →
- Testing of lot sample for quality →
  - Send to warehouse for sale .