



Certificate of Analysis

| PRODUCT DETAILS | | |
|--------------------------------------|---|------------|
| Product Name | CACAY OIL | |
| Product Code | OVCACA | |
| Tariff Number | 15159060 | |
| Country of Origin | Brazil | |
| | | |
| Batch Number | 4460603 | |
| Best Before End | February 2024 | |
| | | |
| Identification | CAS No: 1453469-52-7 | EC No: N/A |
| PHYSICAL AND CHEMICAL CHARACTERISTIC | | |
| | SPECIFICATION RANGE | RESULTS |
| Appearance | Liquid | Conforms |
| Colour | Yellow to Brown | Conforms |
| Odour | Characteristic | Conforms |
| Relative Density @ 20°C | 0.900 - 0.980 | 0.925 |
| Refractive Index @ 20°C | 1.400 - 1.490 | 1.479 |
| Acid Value (mgKOH/g) | ≤20.0 | 0.27 |
| Peroxide Value (Meq/kg) | ≤30.0 | 0.9 |
| Saponification Value (mgKOH/g) | 150.0 - 250.0 | 186 |
| Iodine Value (gI ₂ /100g) | 100.0 - 180.0 | 115 |
| FATTY ACID PROFILE (%) | | |
| | SPECIFICATION RANGE | RESULTS |
| C14:0 Myristic Acid | 0.1 - 0.3 | 0.1 |
| C16:0 Palmitic Acid | 8.0 - 13.0 | 8.05 |
| C16:1 Palmitoleic Acid | 0.1 - 0.3 | 0.1 |
| C18:0 Stearic Acid | 2.0 - 5.0 | 2.03 |
| C18:1 Oleic Acid | 8.0 - 16.0 | 8.06 |
| C18:2 Linoleic Acid | 55.0 - 85.0 | 73.69 |
| C20:0 Arachidic Acid | <0.7 | 0.65 |
| STORAGE AND SHELF LIFE | | |
| Storage | Store in tightly closed container with minimum headspace in a cool, dark and dry place. | |

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 users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where MADAR Corporation make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.

Issue No: 1



CMR (Carcinogenic, mutagenic, reprotoxic) STATEMENT

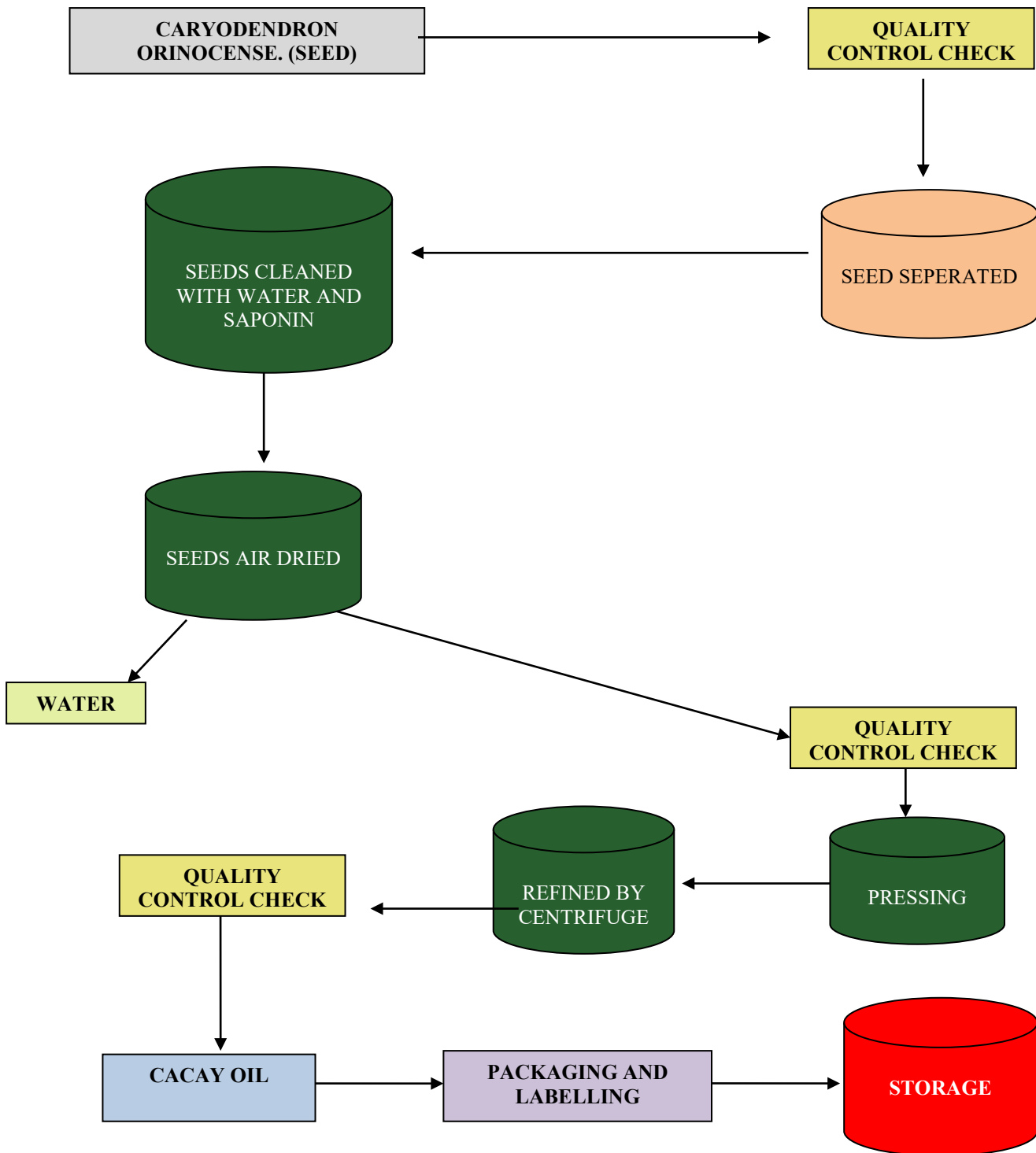
We hereby confirm, to the best of our knowledge and from information received from our supplier, that the below mentioned product does not contain any CMR Substances.

However, due to the fact that we do not analyse the batches, we cannot guarantee any explicit assurance.

Product: CACAY OIL

15 February 2022

PROCESSING – CACAY OIL FLOW CHART





SAFETY DATA SHEET CACAY OIL

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

1.1. Product identifier

Product name CACAY OIL

Synonyms; trade names Caryodendron Orinocense Seed Oil

CAS number 1453469-52-7

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

Identified uses Industrial, only for professional use

1.3. Details of the supplier of the safety data sheet

Supplier Madar Corporation Limited
19 - 20 Sandleheath Industrial Estate
Fordingbridge
SP6 1PA
Tel. +44 1425 655 555
e-mail technical@madarcorporation.co.uk

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Product name CACAY OIL

CAS number 1453469-52-7

CACAY OIL

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------|--|
| Inhalation | Remove person to fresh air and keep comfortable for breathing. Maintain an open airway. Get medical attention if any discomfort continues. |
| Ingestion | Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues. |
| Skin contact | Remove contamination with soap and water or recognised skin cleansing agent. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |
| Eye contact | 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

General information No further information available at this time.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use as appropriate carbon dioxide (CO₂), dry chemical or foam

Unsuitable extinguishing media For safety reasons do not use full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards No data available.

Hazardous combustion products No data available.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear full protective clothing

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. Keep unnecessary and unprotected personnel away from the spillage. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Use suitable respiratory protection if ventilation is inadequate. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

CACAY OIL

Methods for cleaning up

Cover with inert, inorganic, non-combustible material (e.g dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with local authority guidelines. Never return spills in original containers for re-use. Wash spill site after material pick up is complete.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. Use personal protection equipment as mentioned under "exposure controls and personal protection". Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Use only outdoors or in a well-ventilated area. If ventilation is inadequate, suitable respiratory protection must be worn. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not empty into drains. Do not eat, drink or smoke when using this product. Avoid release to the environment.

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.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide eyewash station Provide adequate ventilation.

Personal protection

Use personal protection according to Directive 89/686/EEC

Eye/face protection

Approved safety goggles.

Hand protection

Chemical resistant gloves (PVC)

Other skin and body protection

Wear apron or protective clothing in case of contact.

Hygiene measures

Good personal hygiene procedures should be implemented.

Respiratory protection

Generally unnecessary in a well ventilated area.
If ventilation is insufficient, respiratory protection must be worn.

Environmental exposure controls

Avoid discharging into drains. Do not allow run-off fire fighting to enter drains or water courses.

CACAY OIL

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|------------------|----------------------|
| Appearance | Liquid. |
| Colour | Yellow. to Brown. |
| Odour | Characteristic. |
| Relative density | 0.900 - 0.980 @ 20°C |

9.2. Other information

| | |
|---------------------|----------------------|
| Refractive index | 1.400 - 1.450 @ 20°C |
| Hydrocarbon Content | |

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|------------|--|
| Reactivity | This product is stable and non reactive under normal conditions of use, storage and transport. |
|------------|--|

10.2. Chemical stability

| | |
|-----------|---|
| Stability | Stable under the prescribed storage conditions. |
|-----------|---|

10.3. Possibility of hazardous reactions

| | |
|------------------------------------|--|
| Possibility of hazardous reactions | Product does not exhibit any dangerous reactions under normal conditions. Hazardous polymerization will not occur. |
|------------------------------------|--|

10.4. Conditions to avoid

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

10.5. Incompatible materials

| | |
|--------------------|---|
| Materials to avoid | Avoid contact with strong oxidising agents. |
|--------------------|---|

10.6. Hazardous decomposition products

| | |
|----------------------------------|--|
| Hazardous decomposition products | Liable to cause smoke and acrid fumes during combustion: carbon monoxide, carbon dioxide and other non identified organic compounds may be formed. |
|----------------------------------|--|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------|--------------------|
| Toxicological effects | No data available. |
|-----------------------|--------------------|

Acute toxicity - oral

| | |
|--------------------------------|---------------------------|
| Notes (oral LD ₅₀) | No information available. |
|--------------------------------|---------------------------|

Acute toxicity - inhalation

| | |
|--------------------------------------|---------------------------|
| Notes (inhalation LC ₅₀) | No information available. |
|--------------------------------------|---------------------------|

Skin sensitisation

| | |
|--------------------|---------------------------|
| Skin sensitisation | No information available. |
|--------------------|---------------------------|

CACAY OIL

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - microorganisms No information required.

Chronic aquatic toxicity

Toxicity to soil No data available.

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not empty into drains.

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 MARPOL and the IBC Code

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

CACAY OIL

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).

Guidance CHIP for everyone HSG228.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 15/02/2022

Revision 2

Supersedes date 08/01/2019

SDS number 5267

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.



Product Specification

| PRODUCT DETAILS | |
|--------------------------------------|---|
| Product Name | CACAY OIL |
| Tariff Number | 15159060 |
| Country of Origin | Brazil |
| INCI Name | Caryodendron Orinocense Seed Oil |
| Natural Status | We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural. This product does not contain any solvents or additives. |
| Food Grade Status | Not Food Grade |
| Kosher Certified | Not Certified |
| Halal Certified | Suitable |
| GMO Declaration | To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms. |
| Manufacturing Process | Please request Flowchart. |
| Identification | CAS No: 1453469-52-7 EC No: N/A |
| PHYSICAL AND CHEMICAL CHARACTERISTIC | |
| Appearance | Liquid |
| Colour | Yellow to Brown |
| Odour | Characteristic |
| Relative Density @ 20°C | 0.900 - 0.980 |
| Refractive Index @ 20°C | 1.400 - 1.490 |
| Acid Value (mgKOH/g) | ≤20.0 |
| Peroxide Value (Meq/kg) | ≤30.0 |
| Saponification Value (mgKOH/g) | 150.0 - 250.0 |
| Iodine Value (gl ₂ /100g) | 100.0 - 180.0 |
| FATTY ACID PROFILE (%) | |
| C14:0 Myristic Acid | 0.1 - 0.3 |
| C16:0 Palmitic Acid | 8.0 - 13.0 |
| C16:1 Palmitoleic Acid | 0.1 - 0.3 |
| C18:0 Stearic Acid | 2.0 - 5.0 |
| C18:1 Oleic Acid | 8.0 - 16.0 |
| C18:2 Linoleic Acid | 55.0 - 85.0 |
| C20:0 Arachidic Acid | <0.7 |
| STORAGE AND SHELF LIFE | |
| Storage | Store in tightly closed container with minimum headspace in a cool, dark and dry place. |
| Shelf Life | 24 Months unopened and stored as above. |

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 users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where we make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. **It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.**



Vegan and Vegetarian Statement

| IDENTIFICATION | |
|--|--------------|
| Product: | CACAY OIL |
| Cas No: | 1453469-52-7 |
| EINECS No: | N/A |
| STATEMENT | |
| <p>We, MADAR Corporation Limited, from information received from our supplier, hereby declare that the material listed above is compliant with a vegan or vegetarian diet.</p> <p>It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.</p> <p>This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.</p> | |