



# Certificate of Analysis

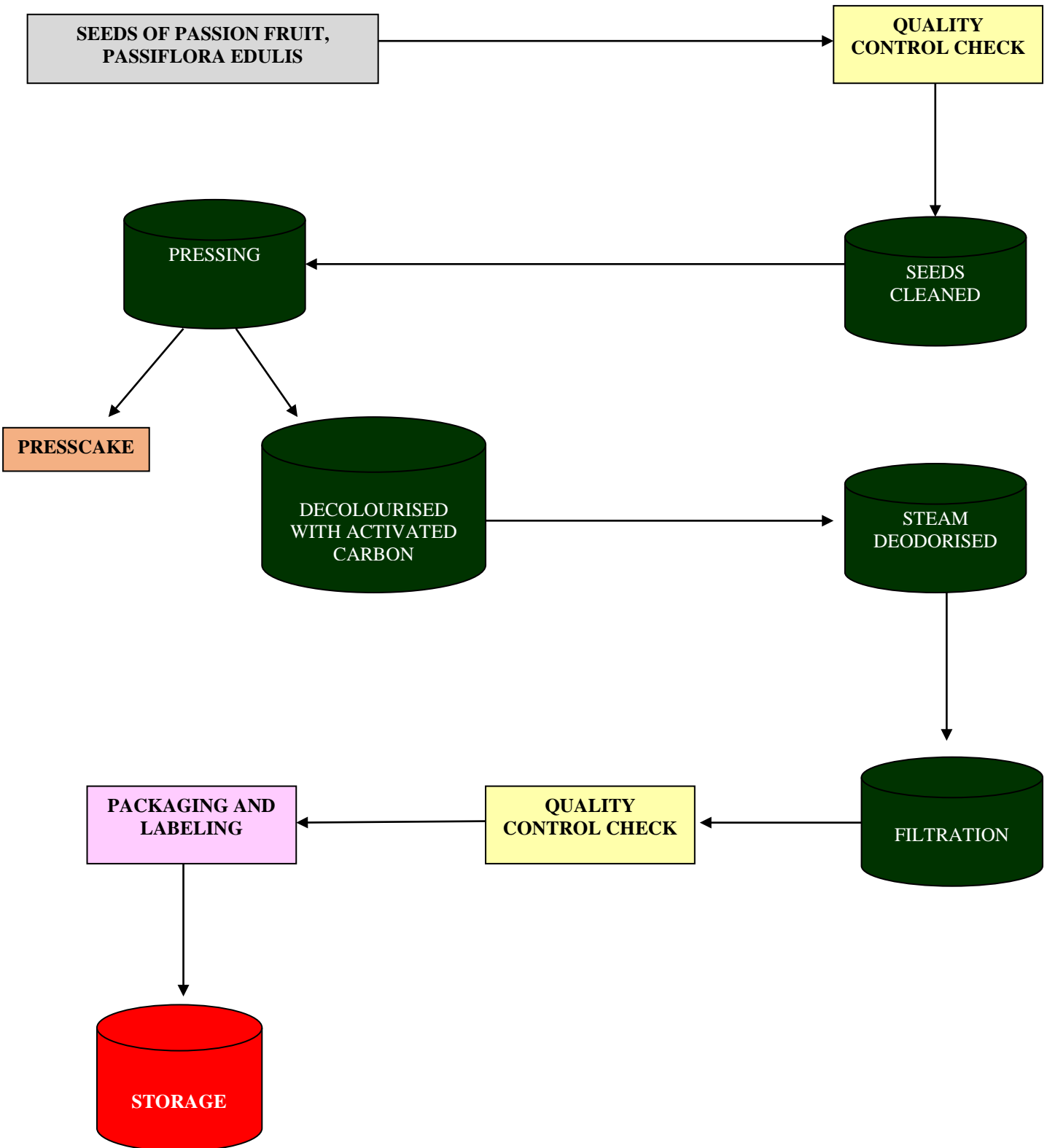
PRODUCT DETAILS					
Product Name		PASSION FRUIT SEED OIL			
Product Code		OVPASS			
Batch Number		4459603			
Best Before End		February 2024			
Identification		CAS No: 91770-48-8		EINECS No: 294-833-9	
		Alternative CAS: 97676-26-1			
PHYSICAL AND CHEMICAL CHARACTERISTIC					
	SPECIFICATION RANGE			RESULTS	
Appearance	Liquid			Conforms	
Colour	Light (or pale). Yellow			Conforms	
Odour	Neutral			Conforms	
Relative Density @ 20°C	0.915 - 0.925			0.921	
Refractive Index @ 20°C	1.470 - 1.480			1.475	
Flash Point °C	≥200			Conforms	
Acid Value (mgKOH/g)	≤1.0			0.01	
Iodine Value (mg/g)	125.0 - 150.0			140	
Saponification Value (mgKOH/g)	185.0 - 195.0			191	
FATTY ACID PROFILE %					
FATTY ACID RANGE	RESULT	FATTY ACID RANGE	RESULT	FATTY ACID RANGE	RESULT
C14:0 Myristic Acid ≤1.0%	0.1	C16:0 Palmitic Acid 4.0-12.0%	6.7	C18:0 Stearic Acid 1.0-6.0%	2.8
C18:1 Oleic Acid 5.0-25.0%	14.7	C18:2 Linoleic Acid 65.0 - 85.0%	73.3	C18:3 Linolenic Acid ≤1.0%	0.1
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 MADAR 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

07/06/2018

## PASSIONFRUIT VIRGIN FLOW CHART





## SAFETY DATA SHEET PASSION FRUIT SEED OIL

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

#### 1.1. Product identifier

Product name	PASSION FRUIT SEED OIL
Product number	OVPASS
Synonyms; trade names	Passiflora Edulis Seed Oil
CAS number	91770-48-8
Alternative Cas Number	97676-26-1
EC number	294-833-9

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

Identified uses	Industrial, only for professional use
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#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

MADAR Corporation Limited  
19-20 Sandleheath Industrial Estate  
Fordingbridge  
Hampshire  
SP6 1PA

Tel. +44 1425 655555 (Opening Hours 9am - 5pm)  
e-mail [technical@madarcorporation.co.uk](mailto: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

EC number	294-833-9
Hazard statements	NC Not Classified

#### 2.3. Other hazards

## PASSION FRUIT SEED OIL

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Product name	PASSION FRUIT SEED OIL
CAS number	91770-48-8
EC number	294-833-9

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Wash skin thoroughly with soap and water or use an approved skin cleanser. 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.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No data available.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	Use as appropriate carbon dioxide (CO <sub>2</sub> ), 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	This product is made up of inflammable material with low risk. The product may only form ignitable mixtures or burn only upon heating above the flash point. However, minor contamination by lightly volatile hydrocarbons may increase the hazard. Ignition hazard at welding at the empty container. In case of fire, the following can be released: carbon monoxide (CO), carbon dioxide (CO <sub>2</sub> ), smoke, soot.
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#### 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

## PASSION FRUIT SEED OIL

### SECTION 6: Accidental release measures

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

**Personal precautions** Follow safety measures as mentioned in sections "handling and storage" and "exposure controls/personal protection". 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

**Methods for cleaning up** Absorb with liquid binding material (e.g sand, diatomaceous earth, acid or universal binding agents). Collect in closed and suitable containers for disposal. 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". Avoid contact with skin, eyes and clothing. Use only outdoors or in a well-ventilated area. Use suitable respiratory protection if ventilation is inadequate. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 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.

## PASSION FRUIT SEED OIL

<b>Respiratory protection</b>	Generally unnecessary in a well ventilated area. If ventilation is insufficient, respiratory protection must be worn.
<b>Environmental exposure controls</b>	Avoid discharging into drains. Do not allow run-off fire fighting to enter drains or water courses.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Light (or pale). Yellow.
<b>Odour</b>	Neutral
<b>Initial boiling point and range</b>	≥350°C
<b>Flash point</b>	≥ 200°C
<b>Relative density</b>	0.915 - 0.925 @ 20°C
<b>Solubility(ies)</b>	Insoluble in water. Soluble in oil and ethanol

#### 9.2. Other information

**Refractive index** 1.470 - 1.480 @ 20°C

**Hydrocarbon Content**

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** Oxidation with atmospheric oxygen. Formation of free fatty acids.

#### 10.2. Chemical stability

**Stability** Stable under the prescribed storage conditions.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Reacts with oxidants.

#### 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** No dangerous decomposition products expected by intended use.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** There are no known health hazards associated with this product.

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** No information available.

#### Skin corrosion/irritation

**Skin corrosion/irritation** Not available.

## PASSION FRUIT SEED OIL

### Carcinogenicity

**Carcinogenicity** No information available.

### Aspiration hazard

**Aspiration hazard** No data available.

## SECTION 12: Ecological Information

### 12.1. Toxicity

**Toxicity** No information available.

**Toxicity to soil** No data available.

### 12.2. Persistence and degradability

**Biodegradation** Expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Possible

### 12.4. Mobility in soil

### 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. Avoid releasing into the environment.

## 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

## PASSION FRUIT SEED OIL

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).
Guidance	CHIP for everyone HSG228.

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

Revision date	06/06/2018
Revision	1
SDS number	5177

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## Product Specification

PRODUCT DETAILS		
Product Name	PASSION FRUIT SEED OIL	
Product Code	OVPASS	
Tariff Number	15159060	
Country of Origin	Various	
INCI Name	Passiflora Edulis 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	We confirm, from information received from our supplier, that this product conforms with EU Regulations and can be used in food.	
Kosher Certified	Not Certified	
Halal Certified	We hereby declare, from information received from our supplier, that this product does not contain any ingredient derived from animal origin, extracted from hair or feathers, animal fats, animal extracts, blood of any origin, blood plasma, pork and/or other meat products. This product does not contain alcohol (ethanol or grain alcohol) and has not been used in the manufacturing process.	
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: 91770-48-8	EINECS No: 294-833-9
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C18:1 Oleic Acid 5.0 - 25.0	C18:2 Linoleic Acid 65.0 - 85.0	C18:3 Linolenic Acid ≤1.0
FRAGRANCE ALLERGENS		
NOT APPLICABLE		
FOOD ALLERGENS		
NONE PRESENT		
IFRA		
NOT APPLICABLE		
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.	

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## Vegan Statement

IDENTIFICATION	
Product:	PASSION FRUIT SEED VIRGIN OIL
Cas No:	91770-48-8 / 97676-26-1
EINECS No:	294-833-9
STATEMENT	
<p>We, MADAR Corporation Limited, from information received from our supplier, hereby declare that the material listed above is compliant with a vegan 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>10<sup>th</sup> December 2018</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>	