



## CERTIFICATE OF ANALYSIS

### HEMP SEED REFINED

Batch No.: 4346803

Best Before End: January 2021

Analysis Description	Minimum Value	Maximum Value	Result	Compliance
Appearance			Clear mobile liquid	Pass
Colour			Pale to golden yellow	Pass
Odour			Low odour	Pass
Specific Gravity at 20°C	0.910	0.930	0.927	Pass
Refractive Index at 20°C	1.460	1.490	1.478	Pass
Acid Value		1	0.16	Pass
Peroxide Value (at production)		10	2.85	Pass
Iodine Value	145	165	157.1	Pass
Colour lovibond 5.25 cell			< 4 red, < 40 yellow	Pass
C16:0 Palmitic %	5	12	6.4	Pass
C16:1 Palmitoleic %		1	0.1	Pass
C18:0 Stearic %	1	4	2.9	Pass
C18:1 Oleic %	10	16	15.6	Pass
C18:2 Linoleic %	45	65	57.3	Pass
C18:3 Alpha Linolenic %	14	30	14.2	Pass
C18:3 Gamma Linolenic %		3	2.5	Pass
C20:0 Arachidic %		2	0.3	Pass
C20:1 Eicosenic %		1	0.3	Pass
C22:0 Behenic %		1	0.3	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.



### Allergen Statement

Product: Hemp Seed Refined

INCI Name: Cannabis Sativa Seed Oil

#### Cosmetic Allergens

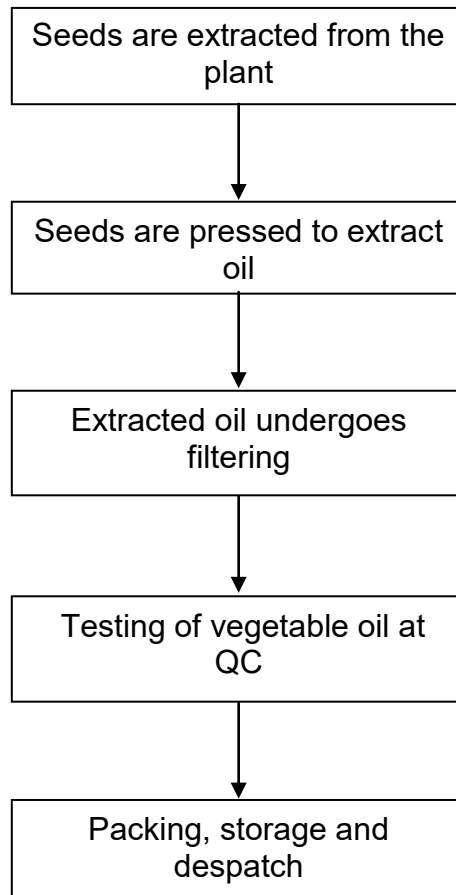
From The 7th Amendment to the Cosmetic Directive of the European Union (EU) – Annex III  
26 Fragrance Allergens

Annex III Ref:	Material:	CAS No:	Total Allergen Inclusion Level (%)
67	AMYL CINNAMAL	122-40-7	0
68	BENZYL ALCOHOL	100-51-6	0
69	CINNAMYL ALCOHOL	104-54-1	0
70	CITRAL	5392-40-5	0
71	EUGENOL	97-53-0	0
72	HYDROXY-CITRONELLAL	107-75-5	0
73	ISOEUGENOL	97-54-1	0
74	AMYL CINNAMYL ALCOHOL	101-85-9	0
75	BENZYL SALICYLATE	118-58-1	0
76	CINNAMAL	104-55-2	0
77	COUMARIN	91-64-5	0
78	GERANIOL	106-24-1	0
79	HYDROXY-METHYLPENTYL CYCLOHEXENECARBOXALDEHYDE	31906-04-4	0
80	ANISE ALCOHOL	105-13-5	0
81	BENZYL CINNAMATE	103-41-3	0
82	FARNESOL	4602-84-0	0
83	BUTYLPHENYL METHYLPROPIONAL	80-54-6	0
84	LINALOOL	78-70-6	0
85	BENZYL BENZOATE	120-51-4	0
86	CITRONELLOL	106-22-9	0
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0
88	LIMONENE	5989-27-5	0
89	METHYL HEPTIN CARBONATE	111-12-6	0
90	ALPHA-ISOMETHYL IONONE	127-51-5	0
91	EVERNIA PRUNASTRI EXTRACT	90028-68-5	0
92	EVERNIA FURFURACEA EXTRACT	90028-67-4	0



**PRODUCTION FLOW CHART**

**HEMPSEED OIL REFINED**





**SAFETY DATA SHEET**  
**HEMPSEED OIL REFINED**

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** HEMPSEED OIL REFINED  
**Product number** 330619

**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  
19-20 Sandleheath Industrial Estate,  
Fordingbridge,  
Hampshire,  
SP6 1PA,  
UK  
Tel: 01425 655555  
Email: technical@madarcorporation.co.uk

**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**



### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Product name HEMPSEED OIL REFINED

### 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.

#### 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.
<b>Odour</b>	Characteristic.
<b>Relative density</b>	~ 0.920 @ 20°C

#### 9.2. Other information

<b>Refractive index</b>	~ 1.475 @ 20°C
-------------------------	----------------

## 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.

## **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**





**SECTION 16: Other information**

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

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.



## MATERIAL SPECIFICATION

### HEMPSEED OIL REFINED

Analysis Description	Minimum Value	Maximum Value	Description
Appearance			Clear mobile liquid
Colour			Pale to golden yellow
Odour			Low odour
Specific Gravity at 20°C	0.910	0.930	
Refractive Index at 20°C	1.460	1.490	
Acid Value		1	
Peroxide Value (at production)		10	
Iodine Value	145	165	
Colour lovibond 5.25 cell			< 4 red, < 40 yellow
C16:0 Palmitic %	5	12	
C16:1 Palmitoleic %		1	
C18:0 Stearic %	1	4	
C18:1 Oleic %	10	16	
C18:2 Linoleic %	45	65	
C18:3 Alpha Linolenic %	14	30	
C18:3 Gamma Linolenic %		3	
C20:0 Arachidic %		2	
C20:1 Eicosenic %		1	
C22:0 Behenic %		1	
Tetrahydrocannabinol (ppm)		5	

Issue Date: 15/01/19

Shelf Life: 24 Months,

Revision: 1

Revision Date: 15/01/19

**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 products in any way.**



## TECHNICAL DATA SHEET HEMPSEED OIL REFINED

<b>INCI name:</b>	Cannabis Sativa Seed Oil
<b>Synonyms:</b>	Hemp Oil, Hemp Seed Oil, Cannabis Sativa Oil
<b>Country of Origin:</b>	UK
<b>CAS Number:</b>	89958-21-4
<b>EC Number:</b>	289-644-3
<b>Status:</b>	100% Pure & Natural



### **General Description**

Cannabis Sativa is an annual, dioecious, flowering family. Growing up to 5 metres high, the plant is monoecious. The leaves are palmately compound or dig leaflets. The first pair of leaves usually have a single leaflet, plant, this number again diminishes to a single leaflet per leaf. The lower arrangement and the upper leaf pairs in an alternate arrangement on the main stem of a mature plant.

### **Extraction**

Cannabis Sativa Seed Oil is the fixed oil expressed from the seeds of Cannabis sativa L., Cannabaceae.

### **Common Uses/Applications**

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

### **Aromatherapy Actions/Uses**

- Considered to have the following properties: emollient, nutritional,
- Regarded to be helpful for: dry skin, dry brittle hair, dry scalp, psoriasis

### **Allergens and IFRA**

Contains none of the 26 allergens designated by the EU in European Union Cosmetics Regulation (EC) No 1223/2009 Annex III.

Does not contain material restricted/prohibited by IFRA and therefore does not require an IFRA statement



#### **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.**