CERTIFICATE OF ANALYSIS

PRODUCT NAME: CAMELINA OIL, COLD PRESSED

LOT NUMBER: 4545003

PRODUCT INCI: CAMELINA SATIVA OIL

Cas Number: 943248-37-1		
EINECS NUMBER: NOT APPLICABLE.		
MANUFACTURING METHOD: COLD PRESSED		
BEST BEFORE DATE: June 2026		

ANALYTICAL DETAILS	Range %	RESULTS
Appearance	OILY LIQUID	-
Odour	CHARACTERISTIC	-
COLOUR	Dark Amber - Yellow	-
)		
Refractive Index @ 20°C	1.470 - 1.480	1.475
FREE FATTY ACIDS (% AS OLEIC)	<5.0	1.65
ACID VALUE	<10.0	3.3
Peroxide Value (meq $O_2/$ kg)	<20.0	1.2
SAPONIFICATION VALUE	180.0 - 220.0	191.0

Fatty Acid Profile		R ANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	Palmitic	3.0 - 10.0	5.3
C18:0	STEARIC	1.0 - 7.0	2.6
C18:1	OLEIC	15.0-30.0	18.7
C18:2	LINOLEIC	16.0-29.0	19.7
C18:3	LINOLENIC	30.0 - 45.0	33.8
C20:0	ICOSANOIC	<5.0	2.8
C22:1	DOCOSENOIC	3.0-9.0	6.4

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission.

ALLERGEN STATEMENT

PRODUCT NAME: CAMELINA OIL, COLD PRESSED

COSMETIC ALLERGENS

Annex Illa			TOTAL ALLERGEN
Reference:		CAS NUMBER:	INCLUSION (%):
67	AMYL CINNAMAL	122-40-7	0.000
68	BENZYL ALCOHOL	100-51-6	0.000
69	CINNAMYL ALCOHOL	104-54-1	0.000
70	CITRAL	5392-40-5	0.000
71	EUGENOL	97-53-0	0.000
72	HYDROXY-CITRONELLAL	107-75-5	0.000
73	ISO EUGENOL	97-54-1	0.000
74	AMYLCIN-NAMYL ALCOHOL	101-85-9	0.000
75	BENZYL SALICYLATE	118-58-1	0.000
76	CINNAMAL	104-55-2	0.000
77	COUMARIN	91-64-5	0.000
78	GERANIOL	106-24-1	0.000
79	HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	0.000
80	ANISE ALCOHOL	105-13-5	0.000
81	BENZYL CINNAMATE	103-41-3	0.000
82	FARNESOL	4602-84-0	0.000
83	BUTYLPHENYL METHYLPROPIONAL	80-54-6	0.000
84	LINALOOL	78-70-6	0.000
85	BENZYL BENZOATE	120-51-4	0.000
86	CITRONELLOL	106-22-9	0.000
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0.000
88	LIMONENE	5989-27-5	0.000
89	METHYL 2-OCTYNOATE	111-12-6	0.000
90	ALPHA-ISOMETHYL IONONE	127-51-5	0.000
91	EVERNIA PRUNASTRI EXTRACT	90028-68-5	0.000
92	EVERNIA FURFURACEA EXTRACT	90028-67-4	0.000

FOOD ALLERGENS

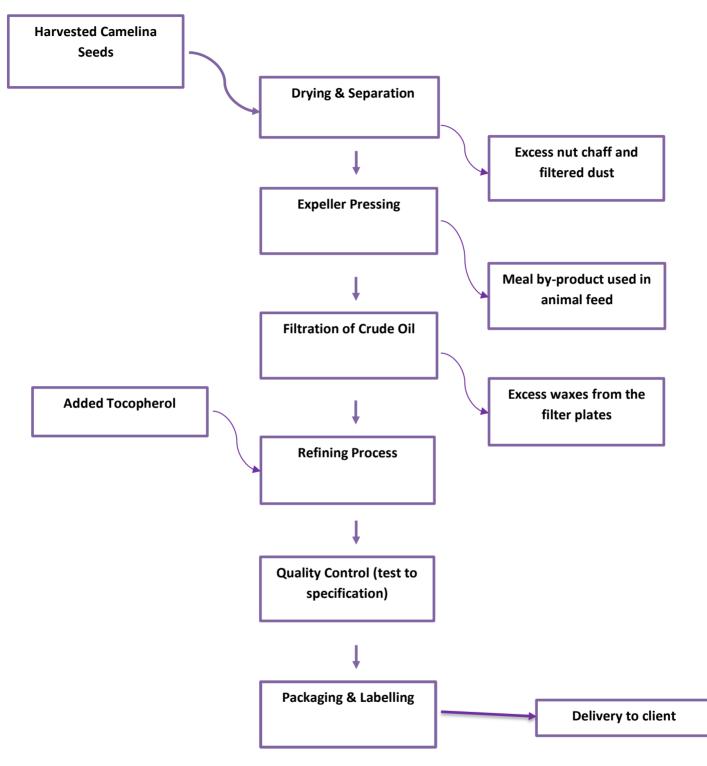
Annex Illa		PRESENT IN	CONTAMINATION	FACTORY
Reference:		PRODUCT:	PRESENCE:	PRESENCE:
1	CEREALS (CONTAINING GLUTEN)	NO	NO	YES
2	CRUSTACEANS	NO	NO	NO
3	EGGS	NO	NO	NO
4	FISH	NO	NO	NO
5	PEANUTS	NO	NO	YES
6	SOYA	NO	NO	YES
7	MILK	NO	NO	YES
8	NUTS	NO	NO	YES
9	CELERY & CELERIAC	NO	NO	YES
10	MUSTARD	NO	NO	YES
11	SESAME	NO	NO	YES
12	SULPHUR DIOXIDE & SULPHITES	NO	NO	NO
13	LUPIN	NO	NO	NO
14	MOLLUSC	NO	NO	NO

Composition Statement & Manufacturing Flow Chart:

We hereby confirm the following composition breakdown & manufacturing process flow;

Camelina Oil, Refined

INCI Name	% Inclusion	CAS Number
Camelina Sativa Seed	99.5	943248-37-1
Tocopherol	0.5	59-02-9



GMO Statement

PRODUCT NAME: Camelina Oil

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

10/06/2024

Material Safety Data Sheet

EU Regulation: 2020/878

SECTION 1: Identification of the substance/mixture and of the company/undertaking					
1.1 Product Identification					
Product Name	CAMELINA OIL, COLD	Pressed			
Biological Definition	Camelina Sativa is a	FIXED OIL OBT	AINED FROM THE CAMELINA FLOWE	ER	
INCI Name	Camelina Sativa See	Camelina Sativa Seed Oil			
Synonyms & Trade Names	CAMELINA OIL	Camelina Oil			
Internal Product Code					
CAS-No	Not Listed	EC No.	Not Listed	EINECS No.	Not Listed
1.2 Details of the supplier of the safety data sheet					
Company Address	A UXUF:7cfdcfUhjcbi@a]hYX % `!`&\$`GUbX`Y\YUh\=bXi gff]U`'9gfUHYz:cfX]b[Vf]X[YzGD* `%D5				
Email	technical@madarcorporation.co.uk				
1.3 Details of the supplier of the safety data sheet					
Emergency Contacts	01425 655 555				

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture	
Classification (67/548/EEC)	This product is not dangerous according to REACH Regulation 2020/878.
Classification (EU1272/2008)	This product does not belong to any list of substances supposedly hazardous to human or animal health according to EU Regulation 1272/2008 & any further amendments, nor to those having recognized exposition limits. Care should be taken when handling hot oil as it may constitute a burn hazard. Spills can constitute a slippage hazard.
2.2 Label Elements	Label in accordance with Regulation (EC) No 1272/2008.
GHS Label	None.
Signal Word	None.
Contains	None.
Hazards Statement	None.
Signal Word	None.
Precautionary Statements	None.
Supplementary Precautionary Statements	None.
	Section 16 (Other Information): Risk & Safety phrases in full.
2.3 Other Hazards	
Adverse physio-chemical properties	None.
Adverse effects on human health	None.
SECTION 3: Composition of Ingredien	fs
3.1 Substances	Not Applicable.
3.2 Mixtures	Not Applicable.

SECTION 4: First Aid Measures	
4.1	
Description of First Aid Measures	
General Information	Always remove contaminated clothing immediately.
Inhalation	Not expected for this particular product, however always best avoiding proactive inhalation.
Ingestion	No instruction as this is a non-toxic product.
Skin Contact	No instruction as this is a non-toxic product.

Eye Contact	Wash immediately & thoroughly with clean tap water.	
4.2 Most important symptoms & effects (Acute & Delayed)	None.	
4.3 ndication of any immediate medical attention or special treatment required	Not Applicable.	
SECTION 5: Fire Fighting Measures		
5.1 Extinguishing material	Foam, Co2, Dry Chemical Powder.	
5.2 Special hazards arising from the substance Or mixture	This product may only form ignitable mixtures or burn above the flash point. Dangerous combustion products include smoke & oxides of carbon.	
5.3 Advice for fire-fighters	Standard. Wear self-contained breathing apparatus in confined spaces.	
SECTION 6: Accidental Release Measur	es	
6.1 Personal precautions	None Required.	
6.2 Environmental precautions	None Required.	
6.3 Methods & material for containment and cleaning up	Spills can be absorbed by cloth or sawdust, washed away with water & cleaned with sodic products.	
6.4 References to other sections	Refer & consider section 8. Refer & consider section 13.	
SECTION 7: Handling & Storage		
7.1 Precautions for safe-handling	Handle in accordance with good hygiene and safety practice. Keep containers sealed when not in use. Preven spills & leaks to avoid slip hazard. Always wear personal protective clothing (refer to section 8). Do not eat, drink, sniff or smoke whilst handling this product. Provide suitable mechanical equipment for the safe handling of drums & heavy packages.	
7.2 Conditions for safe storage, including any incompatibilities	Keep the product container tightly closed, in a dry, ventilated area (at temperatures <20°C). Keep away from potential sources of ignition and protected from light. Maintain limited contact with oxygen.	
7.3 Specific end use(s)	No Data.	
SECTION 8: Exposure Controls & Personal Protection		
8.1 Control Parameters	None.	
8.2 Exposure Controls		
Eye Protection	Not required as a non-toxic product, however we still recommend taking precautions by wearing protective eye-wear when handling the product.	
Hand Protection	None.	
Respiratory Equipment	None.	
Hygiene Measures	None.	
Engineering Measures	None.	
SECTION 9: Physical & Chemical Properties		

9.1 Physical & Chemical Properties	
Appearance	OILY LIQUID
Colour	Dark Amber - Yellow
Odour	CHARACTERISTIC
Relative Density	ΝΟ ΔΑΤΑ
Flash Point (°C)	>280°C.
Refractive Index	1.470 – 1.480
Melting Point (°C)	NOT APPLICABLE
Boiling Point (°C)	>100°C.
Vapour Pressure	NO DATA.
Solubility in Water @ 20°C	INSOLUBLE.
9.2 Other Information	NO DATA.
9.2.1 Information with regard to physical hazard classes	None.
9.2.2 Other safety characteristics	None.
SECTION 10: Stability & Reactivity	
10.1 Reactivity	Not Applicable.
10.2 Chemical stability	Stable under suggested storage conditions (<20°C).
10.3 Possibility of hazardous reactions	No.
10.4 Conditions to avoid	Storage at high temperatures. Do not store above 20°C.
10.5 Incompatible materials	Concentrated acids, alkalis & oxidising agents.
10.6 Hazardous decomposition products	This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke.

SECTION 11: Toxicological Information	
11.1 Toxicological effects	
Acute Toxicity	A non-toxic product. For pharmaceutical & cosmetic use only. This product does not carry a microbiological specification as it is sterilised in the refining process. It does not contain any impurities. This product is not included in the list of substances prohibited in cosmetic products or subject to restrictions. It does not contain colorants, preservatives or UV filters (Annex II – VI of EU regulation 1223/2009).
Skin irritation	Not Applicable.
Eye damage or irritation	Not Applicable.
Respiratory or skin sensitivity	Not Applicable.

Not Applicable.
Not Applicable.

SECTION 12: Ecological Information

12.1	
Toxicity	Low - None.
12.2	
Persistence & degradability	>90% (OECD)
12.3	
Bio- accumulative potential	None.
12.4	
Mobility in soil	Low – None.
12.5	
Results of PBT & VPVB assessment	Not Available.
12.6	
Endocrine disrupting propertis	None.
12.7	
Other adverse effects None.	
SECTION 13: Disposal Information	
13.1	Always recover spilled product. Discard waste material with authorized waste
Waste treatment methods	management services. Act in accordance with local & national waste regulations.
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SECTION 14: Transport Information

14.1 Transport Information	
Warning icon	Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO), transport not restricted in drums or food tankers.
Shipping Name	Not Applicable.
UN Number (Road)	Not Applicable.
ADR Class	Not Applicable.
Hazard Number (ADR)	Not Applicable.
Hazchem Code	Not Applicable.
UN Number (Sea)	Not Applicable.
IMDG Class	Not Applicable.
IMDG Pack GR.	Not Applicable.
EMS	Not Applicable.
UN Number (Air)	Not Applicable.
Air Class	Not Applicable.

Air Pack GR.	Not Applicable.
Maritime transport in bulk according to IMO instruments	Not Applicable.
SECTION 15: Regulatory Information	
15.1 Product specific safety, health & environmental regulations & legislation	
	Regulation (EC) No 2020/878 of the European Parliament and of the council of 18 th
	December 2006. Concerning the registration, evaluation, authorization & restriction of
EU Directives	chemicals (REACH), establishing a European Chemicals Agency, amending Directive
EU Directives	199/45/EC and repealing council regulation (EEC) No793/93 & commission regulation
	(EC) No1488/94 as well as council directive 76/769/EEC & commission directive
	91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (including amendments).
Statutery Instruments	The Chemicals (Hazard Information & Packaging for Supply Regulations 2009 (S.I.2009
Statutory Instruments	No 716).
Annual Code of Densities	Classification & labelling of substances & preparations dangerous for supply. Safety data
Approved Code of Practice	sheets for substances & preparations.
Guidance Notes Workplace exposure limits EH40. CHIP for everyone HSG 108.	
15.2	Assessment has not been carried out as this is a non-hazardous material according to
Chemical Safety Assessment	article 31 of REACH 2020/878.

SECTION 16: Other Information

Allergens:	None.	
Training Instructions: Refer to possible hazard before use of this product.		
Abbreviations & Acronyms:		
MSDS	Material Safety Data Sheet.	
INCI	International Nomenclature of Cosmetic Ingredients.	
CAS	Chemical Abstract Service.	
IMDG	International Maritime code for Dangerous Goods.	
ADR	Accord European sur le transport des merchandises Dangereuses par Route (European Agreement concerning the international Carriage of Dangerous goods by Road).	
RID	International Carriage of Dangerous Goods by Rail.	
ICAO	International Civil Aviation Organization.	
ADN	International Carriage of Dangerous Goods by Inland Waterways.	
Globally Harmonized System of classification & labelling of chemicals.		

Trem Card	Transport Emergency Card.
STOT	Specific Target Organ Toxicity.

Documentation Revision		
Date	Change Description	
10 th April 2018	Data Launch	
November 2020 Review		
January 2023	Review	

SPECIFICATION SHEET	
PRODUCT NAME: CAMELINA OIL, COLD PRESSED	
PRODUCT INCI: CAMELINA SATIVA SEED OIL	
CAS NUMBER: NOT LISTED	
EINECS NUMBER: NOT LISTED	
MANUFACTURING METHOD: COLD PRESSED	
SHELF LIFE: 18 MONTHS	

ANALYTICAL DETAILS	RANGE %	
Appearance	OILY LIQUID	
Odour	CHARACTERISTIC	
COLOUR	DARK AMBER - YELLOW	
Refractive Index @ 20°C	1.470 - 1.480	
Free fatty acids (% as oleic)	<5.0	
ACID VALUE	<10.0	
PEROXIDE VALUE (MEQ O ₂ / KG)	<20.0	
SAPONIFICATION VALUE	180.0 – 220.0	

FATTY ACID PROFILE	ROFILE RANGE %	
C-CHAIN	ACID NAME	
C16:0	Palmitic	3.0-10.0
C18:0	Stearic	1.0 - 7.0
C18:1	Oleic	15.0-30.0
C18:2	LINOLEIC	16.0-29.0
C18:3	LINOLENIC	30.0 - 45.0
C20:0	ICOSANOIC	<5.0
C22:1	Erucic	3.0-9.0

DATE	VERSION	REASON FOR UPDATE
12/06/2023		Changes in: C22:1 range

Vegetarian & Vegan Suitability Statement

PRODUCT NAME: Camelina Oil

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.

10/06/2024