



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: ALMOND (SWEET) OIL, COLD PRESSED & REFINED**

**BATCH NUMBER: 4394308**

**PRODUCT INCI: PRUNUS AMYGDALUS DULCIS OIL**

**PRODUCT CODE: OVALMOSWEE**

**CAS NUMBER: 8007-69-0 / 90320-37-9**

**EINECS NUMBER: 291-063-5**

**MANUFACTURING METHOD: COLD PRESSED, REFINED**

**BEST BEFORE END: April 2022**

ANALYTICAL DETAILS	RANGE	RESULTS
APPEARANCE	PALE YELLOW - CLEAR OILY LIQUID	-
ODOUR	ODOURLESS	-
COLOUR LOVIBOND (5.25" CELL)	≤ 25y, 2.5r	6Y, 0.7R
RELATIVE DENSITY @ 20°C	0.910 – 0.915	0.912
REFRACTIVE INDEX @ 20°C	1.470 – 1.473	1.472
FREE FATTY ACID (% AS OLEIC)	≤ 1.0	0.1
PEROXIDE VALUE (MEQ O <sub>2</sub> /KG)	<10.0	0.6
IODINE VALUE (CALC)	95 - 102	102
ACID VALUE	<2.0	-
SAPONIFICATION VALUE (MG/KOH/GR)	188 - 196	190

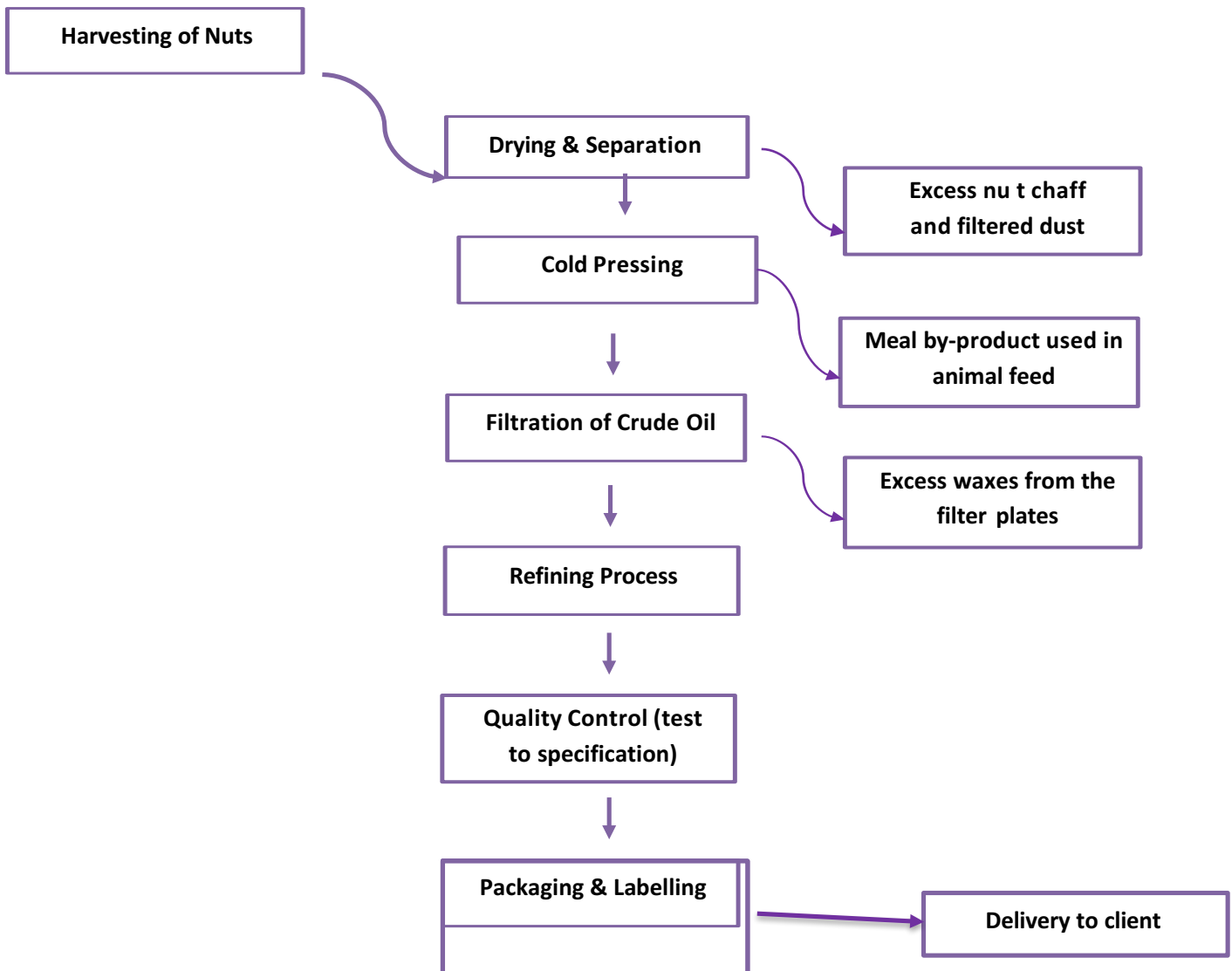
FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	3.0 – 9.0	5.2
C18:0	STEARIC	1.0 - 3.0	2.7
C18:1	OLEIC	60.0 – 75.0	68.4
C18:2	LINOLEIC	20.0 – 30.0	22.2
C18:3	LINOLENIC	< 0.5	0.1
C20:0	ARACHIDIC	< 0.3	0.2
C20:1	EICOSENOIC	< 0.3	0.2
C22:0	BEHENIC	< 0.6	0.5
C24:0	LIGNOCERIC	< 0.5	0.2



## Composition Statement & Manufacturing Flow Chart:

Almond (Sweet) Oil, Cold Pressed & Refined

INCI Name	% Inclusion	CAS Number
Prunus Amygdalus Dulcis Oil	100	8007-69-0 / 90320-37-9





## **GMO Statement**

PRODUCT NAME: ALMOND SWEET

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

07/10/2019



## Material Safety Data Sheet

EU Regulation: 1907/2006

SECTION 1: Identification of the substance/mixture and of the company/undertaking					
<b>1.1</b> Product Identification					
<b>Product Name</b>	ALMOND (SWEET) OIL, COLD PRESSED & REFINED				
<b>Biological Definition</b>	PRUNUS AMYGDALUS DULCIS OIL IS A FIXED OIL OBTAINED FROM THE SEED KERNEL OF THE SWEET ALMOND TREE, PRUNUS AMYGDALUS VAR. DULCIS, ROSACEAE				
<b>INCI Name</b>	PRUNUS AMYGDALUS DULCIS OIL				
<b>Synonyms &amp; Trade Names</b>	SWEET ALMOND OIL				
<b>Internal Product Code</b>	OVALMO				
<b>CAS-No</b>	8007-69-0 / 90320-37-9	<b>EC No.</b>	291-063-5	<b>EINECS No.</b>	291-063-5
<b>1.2</b> Details of the supplier of the safety data sheet					
<b>Company Address</b>	MADAR CORPORATION LIMITED 19-20 SANDLEHEATH INDUSTRIAL ESTATE, FORDINGBRIDGE, HAMPSHIRE SP6 1[A]				
<b>Email</b>	SALES@MADARCORPORATION.CO.UK				
<b>1.3</b> Details of the supplier of the safety data sheet					
<b>Emergency Contacts</b>	01425 655555 (DURING OFFICE HOURS)				



SECTION 2: Hazards Identification	
<b>2.1</b> Classification of the substance or mixture	
<b>Classification (67/548/EEC)</b>	This product is not dangerous according to REACH Regulation 1907/2006.
<b>Classification (EU1272/2008)</b>	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.
<b>2.2</b> Label Elements	
<b>GHS Label</b>	None.
<b>Signal Word</b>	None.
<b>Contains</b>	None.
<b>Hazards Statement</b>	None.
<b>Signal Word</b>	None.
<b>Precautionary Statements</b>	None.
<b>Supplementary Precautionary Statements</b>	None.
<i>Section 16 (Other Information): Risk &amp; Safety phrases in full.</i>	
<b>2.3</b> Other Hazards	
<b>Adverse physio-chemical properties</b>	None.
<b>Adverse effects on human health</b>	None.
<b>SECTION 3: Composition of Ingredients</b>	
<b>3.1</b> Substances	Not Applicable.
<b>3.2</b> Mixtures	Not Applicable.



## SECTION 4: First Aid Measures

<b>4.1</b> Description of First Aid Measures	
<b>General Information</b>	Always remove contaminated clothing immediately.
<b>Inhalation</b>	Not expected for this particular product, however always best avoiding proactive inhalation.
<b>Ingestion</b>	No instruction as this is a non-toxic product.
<b>Skin Contact</b>	No instruction as this is a non-toxic product.
<b>Eye Contact</b>	Wash immediately & thoroughly with clean tap water.
<b>4.2</b> Most important symptoms & effects (Acute & Delayed)	None.
<b>4.3</b> Indication of any immediate medical attention or special treatment required	Not Applicable.

## SECTION 5: Fire Fighting Measures

<b>5.1</b> Extinguishing material	Foam, Co2, Dry Chemical Powder.
<b>5.2</b> 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.
<b>5.3</b> Advice for fire-fighters	Standard. Wear self-contained breathing apparatus in confined spaces.

## SECTION 6: Accidental Release Measures

<b>6.1</b> Personal precautions	None Required.
<b>6.2</b> Environmental precautions	None Required.
<b>6.3</b> Methods & material for containment and cleaning up	Spills can be absorbed by cloth or sawdust, washed away with water & cleaned with sodic products.
<b>6.4</b> References to other sections	Refer & consider section 8. Refer & consider section 13.

## SECTION 7: Handling & Storage

<b>7.1</b> Precautions for safe-handling	Handle in accordance with good hygiene and safety practice. Keep containers sealed when not in use. Prevent 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.
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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.
<b>SECTION 8: Exposure Controls &amp; Personal Protection</b>	
8.1 Control Parameters	None.
<b>8.2 Exposure Controls</b>	
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.
<b>SECTION 9: Physical &amp; Chemical Properties</b>	
<b>9.1 Physical &amp; Chemical Properties</b>	
Appearance	CLEAR OILY LIQUID
Colour	PALE YELLOW
Odour	ODOURLESS
Relative Density	0.910 – 0.930
Refractive Index	1.460 – 1.475
Flash Point (°C)	>280°C.
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.
<b>SECTION 10: Stability &amp; Reactivity</b>	
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	
<b>Acute Toxicity</b>	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).
<b>Skin irritation</b>	Not Applicable.
<b>Eye damage or irritation</b>	Not Applicable.
<b>Respiratory or skin sensitivity</b>	Not Applicable.
<b>Germ cell mutagenicity</b>	Not Applicable.
<b>Carcinogenicity</b>	Not Applicable.
<b>Reproductive toxicity</b>	Not Applicable.
<b>STOT – single exposure</b>	Not Applicable.
<b>STOT – repeated exposure</b>	Not Applicable.
<b>Aspiration hazard</b>	Not Applicable.
<b>Other information</b>	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 Other adverse effects	None.

## SECTION 13: Disposal Information

13.1 Waste treatment methods	Always recover spilled product. Discard waste material with authorized waste
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	management services. Act in accordance with local & national waste regulations.
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## SECTION 14: Transport Information

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

## SECTION 15: Regulatory Information

<b>15.1</b> Product specific safety, health & environmental regulations & legislation	
<b>EU Directives</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 <sup>th</sup> December 2006. Concerning the registration, evaluation, authorization & restriction of chemicals (REACH), establishing a European Chemicals Agency, amending Directive 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).
<b>Statutory Instruments</b>	The Chemicals (Hazard Information & Packaging for Supply Regulations 2009 (S.I.2009 No 716).
<b>Approved Code of Practice</b>	Classification & labelling of substances & preparations dangerous for supply. Safety data sheets for substances & preparations.
<b>Guidance Notes</b>	Workplace exposure limits EH40. CHIP for everyone HSG 108.
<b>15.2</b> Chemical Safety Assessment	Assessment has not been carried out as this is a non-hazardous material according to article 31 of REACH 1907/2006.



SECTION 16: Other Information	
<b>Allergens:</b>	Nut / Nut Oil.
Training Instructions: Refer to possible hazard before use of this product.	
<b>Abbreviations &amp; Acronyms:</b>	
<b>MSDS</b>	Material Safety Data Sheet.
<b>INCI</b>	International Nomenclature of Cosmetic Ingredients.
<b>CAS</b>	Chemical Abstract Service.
<b>IMDG</b>	International Maritime code for Dangerous Goods.
<b>ADR</b>	Accord European sur le transport des marchandises Dangereuses par Route (European Agreement concerning the international Carriage of Dangerous goods by Road).
<b>RID</b>	International Carriage of Dangerous Goods by Rail.
<b>ICAO</b>	International Civil Aviation Organization.
<b>ADN</b>	International Carriage of Dangerous Goods by Inland Waterways.
<b>GHS</b>	Globally Harmonized System of classification & labelling of chemicals.
<b>Trem Card</b>	Transport Emergency Card.
<b>STOT</b>	Specific Target Organ Toxicity.

Documentation Revision	
Date	Change Description
10 <sup>th</sup> April 2018	Data Launch

*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 with MADAR 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 from MADAR.*



## SPECIFICATION SHEET

PRODUCT NAME: **ALMOND (SWEET) OIL, COLD PRESSED & REFINED**

PRODUCT INCI: PRUNUS AMYGDALUS DULCIS OIL

PRODUCT CODE: OVALMO

CAS NUMBER: 8007-69-0 / 90320-37-9

EINECS NUMBER: 291-063-5

MANUFACTURING METHOD: COLD PRESSED, REFINED

ANALYTICAL DETAILS	RANGE
APPEARANCE	PALE YELLOW - CLEAR OILY LIQUID
ODOUR	ODOURLESS
COLOUR LOVIBOND (5.25" CELL)	≤ 25y, 2.5r
RELATIVE DENSITY @ 20°C	0.910 – 0.915
REFRACTIVE INDEX @ 20°C	1.470 – 1.473
FREE FATTY ACID (% AS OLEIC)	≤ 1.0
PEROXIDE VALUE (MEQ O <sub>2</sub> / KG)	<10.0
IODINE VALUE (CALC)	95 - 102
ACID VALUE	<2.0
SAPONIFICATION VALUE (mg KOH/gr)	188.00 – 196.00

FATTY ACID PROFILE		RANGE %
C-CHAIN	ACID NAME	
C16:0	PALMITIC	3.0 – 9.0
C18:0	STEARIC	1.0 - 3.0
C18:1	OLEIC	60.0 – 75.0
C18:2	LINOLEIC	20.0 – 30.0
C18:3	LINOLENIC	< 0.5
C20:0	ARACHIDIC	< 0.3
C20:1	EICOSENOIC	< 0.3
C22:0	BEHENIC	< 0.6
C24:0	LIGNOCERIC	< 0.5



## **Vegetarian & Vegan Suitability Statement**

PRODUCT NAME: ALMOND SWEET

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.

07/10/19