

MYSTIC MOMENTS

CERTIFICATE OF ANALYSIS **VIRGIN FLAXSEED OIL**

Batch No: 4565910
Best Before Date : January 2027

TEST	SPECIFICATION	ANALYSIS
Acid Value (mg KOH/g)	3.0 maximum	1.50
Saponification Value (mg KOH/g)	188 - 195	189.5
Iodine Value (gI ₂ /100g oil)	160 - 200	182.8
Peroxide Value (meqO ₂ /kg)	15.0 maximum	3.2
Unsaponifiable Matter (%)	1.5 maximum	0.9
Refraction Index (23°C)	1.478- 1.483	Complies
Relative Density (20°C)	0.926- 0.933	Complies
Volatile	0.2% maximum	Complies
Ash	0.15% maximum	Complies

FATTY ACID PROFILE (%)		
C16:0 Palmitic	5.0-7.0	Complies
C18:0 Stearic	2.0 – 8.0	Complies
C18:1 Oleic	20.0-30.0	Complies
C18:2 Linoleic	15.0 – 20.0	Complies
C18:3 Linolenic	45.0-55.0	Complies

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GMO, Vegetarian & Vegan Suitability Statement

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.

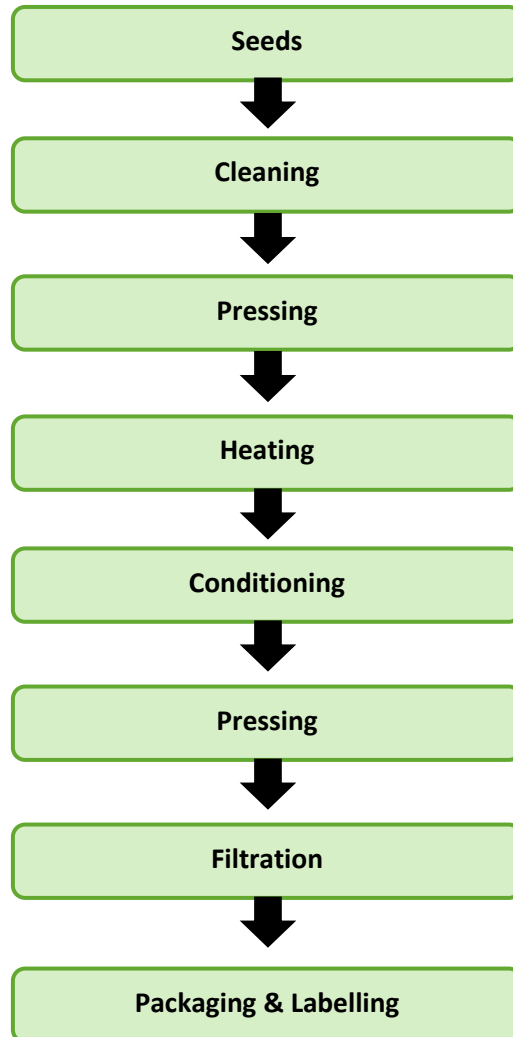
We hereby state and certify that the the above is also not derived/ produced from a raw material that has been genetically modified.

16/06/2022

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Flowchart

PRODUCT	Flaxseed Oil		
		DATE	14/09/2022



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 user's responsibility to satisfy himself as to the suitability of such information for his own particular use. Please note as this is a wholly natural material some parameters, in particular, appearance, colour and odour, may change due to natural variation and climate change. This in no way affects the quality and efficacy of the product. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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Document Date:

April 2019

STATEMENT

We hereby certify that **Flaxseed Oil** is free of genetically modified materials and components. No ingredients, additives or processing aids of GM origin are used in the processing and purifying of the oil.

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Material Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1	PRODUCT IDENTIFIER	
	PRODUCT NAME	Flaxseed Oil
	PRODUCT CODE	WHC016
	INCI NAME	Linum Usitatissimum Seed Oil
	CAS	8001-26-1
	EC	232-278-6
	REACH REGISTRATION NO. (if applicable)	Exempt
1.2	RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE, AND USES ADVISED AGAINST	
	Technical use, professional applications only. Not suitable for food.	
1.3	DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET	
	COMPANY ADDRESS	Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate Fordingbridge, SP6 1PA
	EMAIL ADDRESS	technical@madarcorporation.co.uk
1.4	EMERGENCY TELEPHONE NUMBER	+ 44 (0) 1425 655 555
		Available during office hours.

02. HAZARDS IDENTIFICATION

2.1	CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	
	CLASSIFICATION (EC 1272/2008)	
	None	
2.2	LABEL ELEMENTS	
	LABEL IN ACCORDANCE WITH (EC) NO 1272/2008	
	None	
	SIGNAL WORD	None
	HAZARD STATEMENTS	
	None	
	PRECAUTIONARY STATEMENTS AND/OR SUPPLEMENTARY STATEMENTS	
	None	
	SUPPLEMENTARY STATEMENTS	
	None	
2.3	OTHER HAZARDS	
	ADVERSE EFFECTS ON HUMAN HEALTH	None
	ADVERSE PHYSIO-CHEMICAL PROPERTIES	None

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03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1/3.2	SUBSTANCES/MIXTURES				
	PERCENTAGE	NAME	CAS	REACH REGISTRATION NO. (if applicable)	HAZARD CLASSIFICATION
	100.0	Linum Usitatissimum Seed Oil	8001-26-1	-	Not classified as hazardous.

04. FIRST AID MEASURES

4.1	DESCRIPTION OF FIRST AID MEASURES	
	INHALATION	Remove to fresh air and remain in a position which is comfortable for breathing. Seek medical attention.
	INGESTION	Do NOT induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Never give anything by mouth to a person who is unconscious. Seek medical attention.
	SKIN CONTACT	Remove contaminated clothing and wash before reuse. Wash skin thoroughly with soap and water. If discomfort occurs/continues, seek medical attention.
	EYE CONTACT	Rinse eyes with clean water for a minimum of fifteen minutes including underneath eyelids. If safe to do so, remove to contact lenses and continue to rinse. Seek medical attention.
4.2	MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED	
	No additional data	
4.3	INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	
	Treat symptomatically.	

05. FIREFIGHTING MEASURES

5.1	EXTINGUISHING METHODS
	<ul style="list-style-type: none">- Carbon Dioxide- Alcohol Resistant Foam- Dry Chemical Powder Do NOT use water.
5.2	HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE
	In the event of fire this product can generate oxides of carbon and other toxic gases. A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.
5.3	ADVICE FOR FIREFIGHTERS
	Wear self-contained respiratory equipment and appropriate protective clothing at all times. Do not inhale any gases or fumes which may be generated. Containers in close proximity to fire should be removed to a safe distance and the exterior of the container cooled with water.

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06. ACCIDENTAL RELEASE MEASURES

6.1	PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
	Wear protective clothing as recommended at all times. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin and inhalation of its vapours. Maintain adequate ventilation in the working area after spilling.
6.2	ENVIROMENTAL PRECAUTIONS
	Do not allow the product to enter drains or sewers, water course or the ground. Do not allow the product to enter the environment.
6.3	METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP THIS PRODUCT
	Absorb product, if possible, with a suitable inert absorbent material (sand, earth, sawdust, universal binder, vermiculite) and shovel into appropriate containers for disposal (see section 13). If absorbed in special oil absorbers, sawdust or clothes, keep in fire-safe place as self-ignition may occur, therefore, it is advised to use inert absorbents only.
6.4	REFERENCE TO OTHER SECTIONS
	Sections 8 & 13

07. EXPOSURE CONTROLS AND/OR PERSONAL PROTECTION

7.1	PRECAUTIONS FOR SAFE HANDLING
	Adhere to all good health, safety and hygiene practices. If handling large/heavy packages or drums, ensure the use of suitable mechanical equipment at all times. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wear personal protective equipment. Do not breathe vapours or spray mist. Use only in area provided with adequate ventilation. Do not eat, drink or smoke whilst handling this product.
7.2	CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
	Store in a cool, dry, well-ventilated area. Protect from freezing, heat and light including sunlight. Protect from all potential sources of ignition. Keep all containers tightly sealed when not in use.
7.3	SPECIFIC END USE(S)
	No additional data

08. EXPOSURE CONTROLS

8.1	CONTROL PARAMETERS
	No additional data
8.2	EXPOSURE CONTROLS
	PROTECTIVE EQUIPMENT
	   <p>Use all equipment as required and/or recommended for safe handling.</p>
	PROCESS CONDITIONS
	No additional data
	ENGINEERING MEASURES
	Install sufficient ventilation across all areas. Install readily available eyewash stations and safety showers.

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RESPIRATORY EQUIPMENT	In the event of airborne contamination or ventilation failure, use suitable respiratory equipment/protection.
HAND PROTECTION	Wear appropriate protective chemically resistant gloves which comply with EN374.
EYE PROTECTION	Wear appropriate protective safety goggles which comply with EN166.
HYGIENE MEASURES	Good hygiene practices are always recommended, especially when handling oils, chemicals or any other similar type of material.
SKIN PROTECTION	Wear appropriate protective chemically resistant clothing at all times to prevent any potential skin contact with this product.
ENVIRONMENTAL EXPOSURE CONTROLS	Do not allow the product to enter drains or sewers, water course or the ground. Prevent environmental contamination.
OTHER AND/OR PERSONAL PROTECTIVE MEASURES	No additional data

09. PHYSICAL AND CHEMICAL PROPERTIES

7.1	INFORMATION ON BASIC PHYSICAL & CHEMICAL PROPERTIES
APPEARANCE (E.G. LIQUID)	Liquid
COLOUR	Brown - Amber
ODOUR	Characteristic
SPECIFIC GRAVITY	0.9260 – 0.9330
REFRACTIVE INDEX	1.4780 – 1.4830
FLASH POINT (°C)	No additional data
AUTO-IGNITION TEMPERATURE (°C)	No additional data
MELTING POINT (°C)	~ -20.0
BOILING POINT (°C)	No additional data
FLAMMABILITY	No additional data
EXPLOSION LIMITS	No additional data
DECOMPOSITION TEMPERATURE (°C)	Decomposition expected to take place before boiling.
SOLUBILITY	Insoluble in water.
pH	No additional data
VISCOSITY	No additional data
PARTITION COEFFICIENT N-OCTANOL/WATER (log value)	No additional data
VAPOUR PRESSURE	@ 20.00°C - very low @ 100.0°C - very low
VAPOUR DENSITY	No additional data
9.2	ADDITIONAL INFORMATION
	No additional data

10. STABILITY & REACTIVITY

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10.1	REACTIVITY
	No additional data
10.2	CHEMICAL STABILITY
	Expected to remain stable under recommended storage conditions.
10.3	POSSIBLE HAZARDOUS REACTIONS
	Hazardous polymerization does not occur.
10.4	CONDITIONS TO AVOID
	Extremes of temperature. All potential sources of ignition. Very fine dispersion in contact with air (possible danger of self-ignition). Keep away from direct sunlight. Avoid exposure to air (oxygen). Used earthed equipment where possible.
10.5	INCOMPATIBLE MATERIALS
	Acids, Alkalis, Oxidizing Agents
10.6	HAZARDOUS DECOMPOSITION PRODUCTS
	In the event of fire this product may generate oxides of carbon and other toxic gases.

11. TOXOLOGICAL INFORMATION	
11.1	ACUTE TOXICITY
	LD50 oral > 5.000 mg/kg
11.2	SKIN CORROSION/IRRITATION
	No additional data
11.3	SERIOUS EYE DAMAGE/IRRITATION
	No additional data
11.4	RESPIRATORY/SKIN SENSITIZATION
	No additional data
11.5	GERM CELL MUTAGENICITY/CARCINOGENICITY/REPRODUCTIVE TOXICITY
	No additional data
11.6	STOT – SINGLE EXPOSURE
	No additional data
11.7	STOT – REPEATED EXPOSURE
	No additional data
11.8	ASPIRATION HAZARD
	No additional data
11.9	GENERAL AND/OR ADDITIONAL DATA; E.G. PHOTOTOXICITY
	No additional data

12. ECOLOGICAL AFFECTS	
12.1	TOXICITY

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	LC/EC/IC50 > 1.00
12.2	PERSISTENCE & DEGRADABILITY
	Readily biodegradable
12.3	BIOACCUMULATIVE POTENTIAL
	BCF < 10.0
12.4	MOBILITY IN SOIL AND/OR WATER
	No additional data
12.5	RESULTS OF A PBT/vPvB ASSESSMENT
	Not classed as PBT/vPvB
12.6	OTHER ADVERSE EFFECTS
	No additional data

13. DISPOSAL CONSIDERATIONS

13.1	WASTE TREATMENT METHODS
	Always dispose of this product in accordance with local and national regulations. Do not allow entry into drains or waterways. Do not contaminate the ground or water with waste. Do not dispose of waste into the environment. Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycling is always preferable to disposal. When containers have been fully emptied, ensure the labelling remains.

14. TRANSPORT INFORMATION

14.1	UN NUMBER	Not regulated
	UN MODEL REGULATIONS	Not applicable
	IMDG	Not applicable
14.2	ADR, RID, AND	Not applicable
	ICAO TI	Not applicable
14.3	TRANSPORT HAZARD CLASS(ES)	Not applicable
14.4	PACKING GROUP	Not applicable
14.5	ENVIRONMENTAL HAZARDS	Not applicable
14.6	SPECIAL PRECAUTIONS FOR USER	Details throughout document: 6, 7, 8
14.7	TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE	No additional data

15. REGULATORY INFORMATION

15.1	SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE
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	This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP), EC 453/2010&830/2015.
15.2	CHEMICAL SAFETY ASSESSMENT
	No additional data

16. OTHER INFORMATION		
16.1	HAZARD STATEMENTS	None
16.2	CONCENTRATION PERCENTAGE LIMITS	No additional data
16.3	TOTAL FRACTIONAL VALUES	No additional data
16.4	KEY - ABBREVIATIONS	- -
16.5	REVISION DATE	13/02/2023
16.6	REVISION NUMBER	8
16.7	REVISION REASON	Document review, new format

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Product Specification

PRODUCT	Flaxseed Oil Cold Pressed	DATE	10/06/2022	REVISION	11
DESCRIPTION	Linum Usitatissimum Seed Oil is the expressed oil from the dried ripe seed of the Linseed, <i>Linum usitatissimum</i> L., Linaceae				
INCI NAME	Linum Usitatissimum Seed Oil				
CAS NUMBER	8001-26-1	EC NUMBER	232-278-6		

CHARACTERISTICS

APPEARANCE AT ROOM TEMPERATURE	Liquid
COLOUR	Brown – Amber
ODOUR	Characteristic

ANALYSIS

SPECIFIC GRAVITY	0.9260 – 0.9330 @ 20°C
REFRACTIVE INDEX	1.4780 – 1.4830 @ 20°C
ACID VALUE	≤3.000
IODINE VALUE (WIJS)	≥175.0
COLOUR (GARDNER)	≤13.00
SAPONIFICATION VALUE	188.00 – 195.00
UNSATURATED MATTER (%)	≤1.500
VOLATILE (%)	≤2.000
ASH (%)	≤0.150

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Document Date: April 2019

STATEMENT

We hereby confirm that Flaxseed Oil WHC016 is suitable for vegans. It is used for technical applications but not food approved.