



CERTIFICATE OF ANALYSIS
WHEATGERM VIRGIN OIL

Batch No: 4542110
Order No: May 2026
Country of Origin: UK

Appearance: Clear light brown oily liquid, which may have slight sediment
Taste: Slightly nutty
Odour: Slightly nutty

TEST	SPECIFICATION	ANALYSIS
Acid Value (% as Oleic)	15.0 maximum	6.7
Free Fatty Acid Value	7.5 maximum	3.3
Peroxide Value (meq/kg oil)	10.0 maximum	0.2
Specific Gravity @ 25°C	0.910 – 0.920	0.916
Refractive Index @ 40°C	1.4675 – 1.4720	1.466
Iodine Value (wijs)	120 – 140	130.6
Saponification Value	181 - 199	Complies

FATTY ACID PROFILE (%)		
C16:0 Palmitic Acid	11 – 20	13.1
C18:0 Stearic Acid	0 – 3.6	2.9
C18:1 Oleic Acid	12 – 38	22.8
C18:2 Linoleic Acid	40 – 60	53.1
C18:3 Alpha Linolenic Acid	4 - 10	7.1
C20:0 Arachidic Acid	1.0 maximum	0.2
C20:1 Eicosenoic Acid	2.0 maximum	0.6



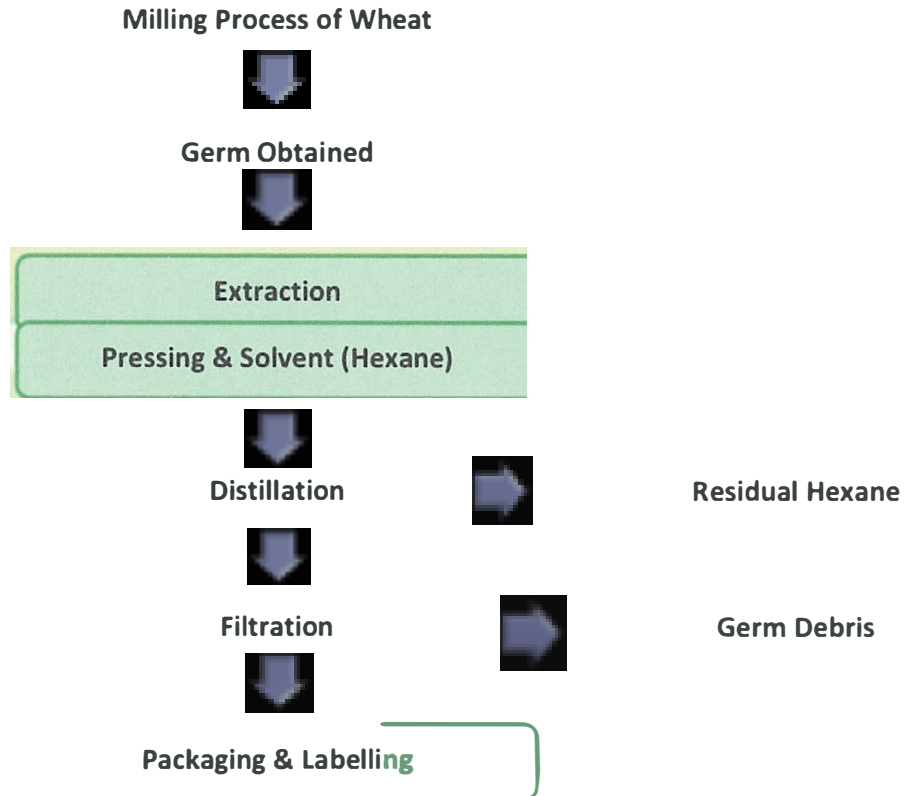
DECLARATION OF ALLERGENS WHEATGERM OIL VIRGIN

Material	CAS Number	Total Allergen Inclusion Level (%)
ALPHA-ISOMETHYL IONONE	127-51-5	-
AMYL CINNAMAL	122-40-7	-
AMYL CINNAMYL ALCOHOL	101-85-9	-
ANISE ALCOHOL	105-13-5	-
BENZYL ALCOHOL	100-51-6	-
BENZYL BENZOATE	120-51-4	-
BENZYL CINNAMATE	103-41-3	-
BENZYL SALICYLATE	118-58-1	-
BUTYLPHENYL METHYLPROPIONAL	80-54-6	-
CINNAMAL	104-55-2	-
CINNAMYL ALCOHOL	104-54-1	-
CITRAL	5392-40-5	-
CITRONELLOL	106-22-9	-
COUMARIN	91-64-5	-
EUGENOL	97-53-0	-
EVERNIA FURFURACEA EXTRACT	90028-67-4	-
EVERNIA PRUNASTRI EXTRACT	90028-68-5	-
FARNESOL	4602-84-0	-
GERANIOL	106-24-1	-
HEXYL CINNAMAL	101-86-0	-
HYDROXYCITRONELLAL	107-75-5	-
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	-
ISO EUGENOL	97-54-1	-
LIMONENE	5989-27-5	-
LINALOOL	78-70-6	-
METHYL 2-OCTYNOATE	111-12-6	-
		No Allergens

Flowchart

PRODUCT Triticum Oil - Unrefined Wheatgerm Oil Food Grade

DATE | 08/04/2022





Document Date:

April 2022

STATEMENT

We hereby certify that **Wheatgerm Virgin 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.



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

1.1 Product Identifier					
Product Name		Triticum Vulgare – Unrefined Wheatgerm Oil Food Grade			
Biological Definition		Triticum Vulgare Germ Oil is the oil obtained from the expression or extraction of the wheat germ Triticum vulgare, Poaceae.			
INCI Name		Triticum Vulgare Germ Oil			
CAS	68917-73-7 8006-95-9	EC	281-689-7	EINECS	281-689-7
1.2 Relative identified uses of the substance or mixture and uses advised against					
No additional data					
1.3 Details of the supplier of the safety data sheet					
Madar Corporation Limited 19 - 20 Sandeheath Insutrial Estate Fordingbridge SP6 1 PA					
1.4 Emergency Tel. No.		+ 44 (0) 1425 655 555			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
No additional data	
Classification (EC 1272/2008)	
Not classified as hazardous.	
2.2 Label Elements	



Label in accordance with (EC) No 1272/2008	
None	
Signal Word	None
Contains	No additional Data
Hazard Statements	
None	
Precautionary Statements	
None	
Supplementary Statements	
None	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No additional data
Adverse physio-chemical properties	No additional data
Adverse effects on human health	No additional data

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Composition	
100% Triticum Vulgare Germ Oil CAS: 8006-95-9/68917-73-7 Classification: - 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. If large quantities have been ingested or if discomfort occurs/continues, 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. 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. Treat as accident with vegetable oil of edible quantity.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
Carbon Dioxide, Foam, Dry Chemical Powder, Fire Blanket. Do NOT use water.
5.2 Special hazards arising from the product
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.


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 Environmental Precautions
Do not discharge into drains, water courses or onto the ground.
6.3 Methods and material for containment and cleaning up.
Physical methods, adsorbent material. Clean with hot water and detergent.
6.4 Reference to other sections
Section 13

07. HANDLING AND STORAGE

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/PERSONAL PROTECTION

8.1 Control parameters	
Not applicable for this substance under normal working procedures.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	
Engineering Measures	Install sufficient ventilation across all areas. Install readily available eyewash stations and safety showers.
Respiratory Equipment	In the event of airborne contamination or ventilation failure ensure the use of suitable respiratory equipment/ protection.
Hand Protection	Wear appropriate protective chemically resistant gloves at all times which comply with EN374.
Eye Protection	Wear appropriate protective safety goggles which comply with EN166 at all times.

Other Protection	No additional data
Hygiene Measures	Good hygiene practices are always recommended, especially when handling oils, chemicals or any other similar type of material.
Personal Protection	No additional data
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 entry into drains, water courses or onto the ground.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Liquid, Oil Due to the presence of naturally present minor components the oil may be slightly hazy in appearance but this will usually settle on standing.
Colour	Golden - Amberish
Odour	Characteristic; Neutral
Relative Density	~0.915 @ 25°C
Flash Point (°C)	>300.0°C
Refractive Index	~1.4675 @ 40°C
Melting Point (°C)	Liquid @ Ambient Temperatures
Boiling Point (°C)	No additional data
Vapour Pressure	<0.01 mmHg @ 200°C
Solubility in Water @20°C	Insoluble
Auto-ignition temperature (°C)	No additional data
9.2 Other information	
No additional data	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
Generally stable, becomes rancid on prolonged exposure to air.	
10.2 Chemical stability	

19-20 Sande Heath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK

Tel: 01425 655555 Email: technical@madarcorporation.co.uk

Expected to remain stable under recommended storage conditions.
10.3 Possible hazardous reactions
No additional data
10.4 Conditions to Avoid
Oxidation promoting conditions (heat and UV light).
10.5 Incompatible materials
Pro-oxidants.
10.6 Hazardous Decomposition Products
No additional data

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	The substance is a non-toxic vegetable oil of edible quality.
Skin corrosion / irritation	No additional data
Serious eye damage / irritation	Slight irritation may occur on eye contact.
Respiratory or skin sensitisation	No known effects.
Germ Cell Mutagenicity	No known effects.
Carcinogenicity	No known effects.
Reproductive toxicity	No known effects.
STOT-single exposure	No additional data
STOT-repeated exposure	No additional data
Aspiration hazard	No additional data
Photo-toxicity	No additional data
Other Information	Based upon the composition and reports based upon similar products there are no negative effects to be expected. No adverse effects reported for administration by oral/dermal routes.



12. ECOLOGICAL INFORMATION

12.1 Toxicity	
No additional data	
12.2 Persistence & degradability	
Readily biodegradable.	
12.3 Bioaccumulation Potential	
No bioaccumulation is expected.	
12.4 Mobility in soil	
Floats on water. Immobilises by adsorption to soil particles.	
12.5 Results of PBT and vPvB Assessment	
No additional data	
12.6 Other adverse effects	
No additional data	

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
<p>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.</p>	

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	Not classified
UN No. SEA	Not classified
UN No. AIR	Not classified
14.2 UN proper shipping name	
Not applicable	

14.3	Transport hazard class(es)
	Not applicable
14.4	Packing group
	Not applicable
14.5	Environmental hazards
	No additional data
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
	Not classified as a dangerous material. The information provided in this safety data sheet is accurate to the best of our knowledge and is valid for the product as supplied. The information is intended for use as a guide for safety measures, and no liability arising out of the use, application or processing of the material is accepted.
15.2	Chemical safety assessment
	No additional data

16. OTHER INFORMATION

Hazard Statements in Full	None
Revision Date	04/03/2022
Rev No	2

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.

PRODUCT SPECIFICATION

Product Name	Triticum Vulgare – Unrefined Wheatgerm Oil Food Grade		
Date	04/03/2022	Product Code	WHC1375
Description	Triticum Vulgare Germ Oil is the oil obtained from the expression or extraction of the wheat germ Triticum vulgare, Poaceae.		
Appearance	Oil, Golden – Amberish Due to the presence of naturally present minor components the oil may be slightly hazy in appearance but this will usually settle on standing.		
Odour	Characteristic; Neutral		
INCI Name	Triticum Vulgare Germ Oil		
CAS Number	8006-95-9 68917-73-7	EC Number	281-689-7

TEST SPECIFICATION

Analytical Test		Specification Range
Acid Value		≤15.0
Peroxide Value (meq/kg) (at time of production analysis)		≤10.0
Iodine		120.0 – 140.0
Typical Values		
Specific Gravity @ 25°C		0.910 – 0.920
Saponification Value		181.0 – 199.0
Refractive Index @ 40°C		1.465 – 1.470
Fatty Acid Profile (%)		
C16:0	Palmitic Acid	11.0 – 20.0
C16:1	Palmitoleic Acid	≤1.0
C18:0	Stearic Acid	≤3.6
C18:1	Oleic Acid	12.0 – 38.0
C18:2	Linoleic Acid	40.0 – 60.0
C18:3	α-Linoleic Acid	4.00 – 0.0
C20:0	Arachidic Acid	≤1.0
C20:1	Eicosenoic Acid	≤2.0

STORAGE

Store in a cool, dry, well-ventilated place. Keep away from heat, freezing and light including sunlight. Protect from all potential sources of ignition. Keep all containers tightly sealed when not in use.



Document Date: 31/01/2024

STATEMENT

We hereby certify that Wheatgerm Virgin Oil is suitable for Vegetarians and Vegans