



CERTIFICATE OF ANALYSIS

PEANUT OIL

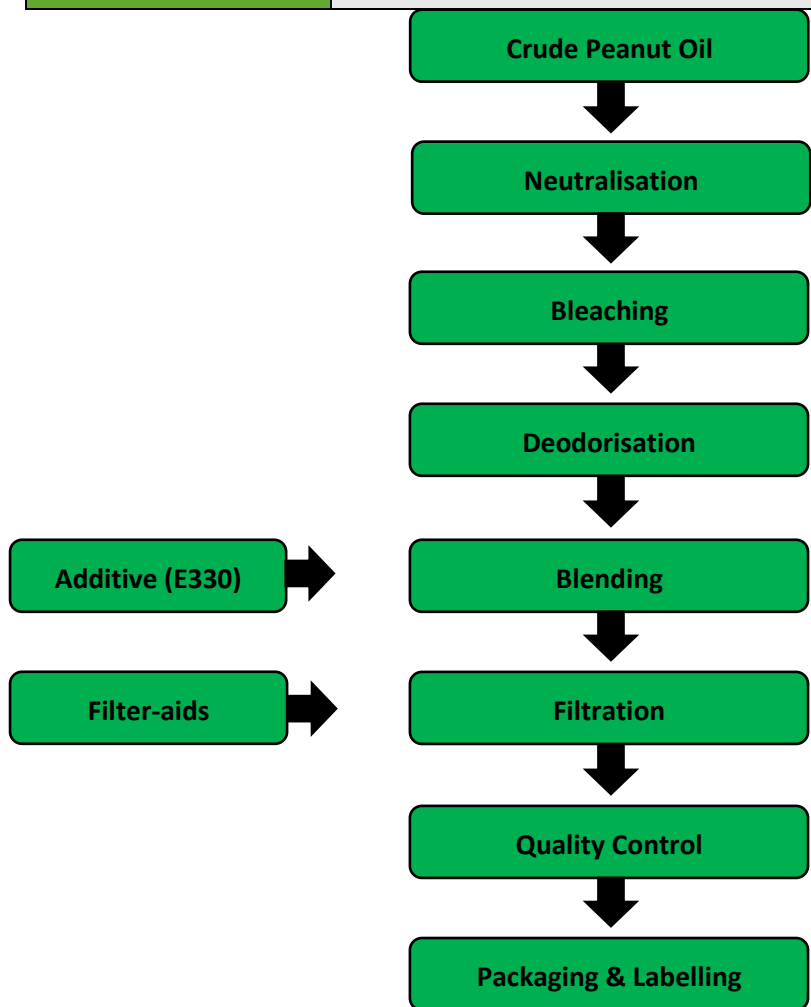
Batch Number: **4527801**
Best Before End: December 2025

Description: Clear bright pale yellow liquid.
Odour/Flavour: Bland or faintly typical, but free from rancid or foreign odours/flavours.

TEST	SPECIFICATION	ANALYSIS
Free Fatty Acids (% as Oleic)	0.25 maximum	0.05
Acid Value	0.5 maximum	0.10
Peroxide Value (meq/kg)	5.0 maximum	0.1
Colour Lovibond (5.25" cell)	25.0 Yellow maximum	4.4
	2.0 Red maximum	0.7
Iodine Value	80.0 – 107.0	85.2

Manufacturing Flow Chart

Product Name	Refined Peanut Oil
Date	12/7/2019





PRODUCT SPECIFICATION

Peanut Oil Refined

Product Code WHC020

Description	The Oil is produced by the refining, bleaching and deodorisation of the crude oil obtained from groundnut (peanuts) (<i>Arachis hypogaea</i>)		
Appearance	Clear and bright pale yellow liquid		
Odour	Bland or faint typical, free from rancid or foreign odours		
Flavour	Bland or faint typical, free from rancid or foreign Flavours		
INCI Name	Arachis hypogaea		
CAS Number	8002-03-7	EC Number	-

Test Specification

Analytical Test	Specification Range
Refractive Index @20°C	1.468-1.472
Moisture (%)	0.1 Maximum
Smoke Point (°C)	200 Minimum
Flash Point (°C)	300 Minimum

Specification

Analytical Characteristics- Typical			
Test	Test Method	Unit	Value
Free Fatty Acids	-	%	0.1 Max
Peroxide Value	-	meq/kg	1 Max
Iodine Value	-		80-106
Colour	Lovibond 5¼		2.0 Red Max

Material Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING	
1.1	PRODUCT IDENTIFIER
	PRODUCT NAME Peanut Oil
	PRODUCT CODE WHC020
	INCI NAME Arachis Hypogaea Oil
	CAS 8002-03-7
	EC 232-296-4
	REACH REGISTRATION NO. (if applicable) Exempt
1.2	RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE, AND USES ADVISED AGAINST
	Flavours, Cosmetics, Pharmaceuticals - Professional applications only.
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) Not classified as hazardous.
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 No additional data
	ADVERSE PHYSIO-CHEMICAL PROPERTIES No additional data

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03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1/3.2	SUBSTANCES/MIXTURES
	No additional data

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. 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.	

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.	

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.




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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
	Prevent spillage from spreading by using sand or earth and use absorbent material such as sand and earth to soak up liquid. Prevent from going into ground water, surface water or sewage. Notify relevant authorities if product enters sewers or public waters. If solidified, shovel into containers.
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. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
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. Use only non-sparking tools. Take precautionary measures against static discharge. Maintain limited contact with oxygen.
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.
	RESPIRATORY EQUIPMENT
	In the event of ventilation failure or airborne contamination ensure the use of appropriate respiratory equipment/protection. Do not inhale and mist, vapours, gases which are generated.

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HAND PROTECTION	Wear appropriate protective 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	Pale Yellow - Golden - Amber
	ODOUR	Characteristic; Without odour
	SPECIFIC GRAVITY	~0.9155
	REFRACTIVE INDEX	~1.4625
	FLASH POINT (°C)	>250.0
	AUTO-IGNITION TEMPERATURE (°C)	No additional data
	MELTING POINT (°C)	No additional data
	BOILING POINT (°C)	No additional data
	FLAMMABILITY	No additional data
	EXPLOSION LIMITS	No additional data
	DECOMPOSITION TEMPERATURE (°C)	No additional data
	SOLUBILITY	Insoluble in water.
	pH	No additional data
	VISCOSITY	No additional data
	PARTITION COEFFICIENT N-OCTANOL/WATER (log value)	No additional data
	VAPOUR PRESSURE	No additional data
	VAPOUR DENSITY	No additional data
9.2	ADDITIONAL INFORMATION	No additional data

10. STABILITY & REACTIVITY

10.1	REACTIVITY
	Presents no significant reactivity hazard, by itself or in contact with water.
10.2	CHEMICAL STABILITY

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	Expected to remain stable under recommended storage conditions.
10.3	POSSIBLE HAZARDOUS REACTIONS
	Self-ignition can occur by autooxidation in with product drenched rags. Polymerization can potentially occur above 180°C.
10.4	CONDITIONS TO AVOID
	Extremes of temperature. All potential sources of ignition.
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
	Not classified LD50 oral rat: > 2000.0 mg/kg
11.2	SKIN CORROSION/IRRITATION
	Not classified
11.3	SERIOUS EYE DAMAGE/IRRITATION
	Not classified
11.4	RESPIRATORY/SKIN SENSITIZATION
	Not classified
11.5	GERM CELL MUTAGENICITY/CARCINOGENICITY/REPRODUCTIVE TOXICITY
	Not classified
11.6	STOT – SINGLE EXPOSURE
	Not classified
11.7	STOT – REPEATED EXPOSURE
	Not classified
11.8	ASPIRATION HAZARD
	Not classified
11.9	GENERAL AND/OR ADDITIONAL DATA; E.G. PHOTOTOXICITY
	No additional data

12. ECOLOGICAL AFFECTS

12.1	TOXICITY
	Vegetable oils are not classified as toxic in an aquatic environment nor do they represent a long-term danger to an aquatic environment. Should not enter into marine environment. Films formed on water may affect oxygen transfer and damage organisms.

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12.2	PERSISTENCE & DEGRADABILITY
	Expected to be readily biodegradable.
12.3	BIOACCUMULATIVE POTENTIAL
	No additional data
12.4	MOBILITY IN SOIL AND/OR WATER
	No additional data
12.5	RESULTS OF A PBT/vPvB ASSESSMENT
	No additional data
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, 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 restricted
14.2	UN MODEL REGULATIONS	Not applicable
	IMDG	Not applicable
	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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Material Safety Data Sheet

	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	09/03/2023
16.6	REVISION NUMBER	2
16.7	REVISION REASON	Document review, new format



Nutritional Values

Nutrition Information (typical figures per 100g)		
Test	Unit	Result
Energy	Kcals/kJ	3700kj/ 900kcal
Protein	(g)	0

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Carbohydrate	(g)	0
Of which sugar	(g)	0
Fat	(g)	100
Of which saturates	(g)	20.0
Of which mono-unsaturates	(g)	44.4
Of which poly-unsaturates	(g)	31.0
Salt	(g)	0

Dietary and Food Intolerance Information	Yes	No
Suitable for Vegetarians	✓	
Suitable for Vegans	✓	
Suitable for Halal Diets	✓ (not formally certified)	
Suitable for Kosher Diets		

✓

Allergens

The Oil is obtained from peanuts.
 The oil does not contain any of the other allergens required to be declared under current EU legislation, namely: Cereals containing gluten, Crustaceans, Molluscs, Eggs, Fish, Nuts, Soyabeans, Milk, Celery, Mustard, Sesame, Lupin, Sulphur Dioxide.
 The oil does not contain and is not obtained from genetically modified organisms.

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.



Date: 31/01/2024

Re: Vegan – Peanut Oil

We can confirm that the above named product supplied by MADAR Corporation Limited is suitable for Vegans.