



**CERTIFICATE OF ANALYSIS**

Product: Walnut Oil  
Batch Number: 4525701  
Best Before End: November 2025

Description: A light golden yellow oil, with virtually no odour or flavour

TEST	SPECIFICATION	ANALYSIS
Free Fatty Acid Value	0.5 maximum	0.1
Peroxide Value	10.0 maximum	1.2
Specific Gravity @ 20°C	0.910 – 0.930	0.914
Refractive Index @ 20°C	1.465 – 1.473	1.468
Colour Lovibond 5.25" cell	2.0 Red maximum	1.0
	20.0 Yellow maximum	9.0
Iodine Value	147 - 160	155
Unsaponifiable Matter	1.5 maximum	0.8

FATTY ACID COMPOSITON (%)		
C16:0 Palmitic	6.0 – 8.0	7.7
C18:0 Stearic	2.0 – 3.0	2.8
C18:1 Oleic	15.1 – 19.6	17.8
C18:2 Linoleic	58.0 – 62.0	58.2
C18:3 Alpha Linolenic	11.0 – 13.5	12.2



## ALLERGEN STATEMENT Walnut Oil

We hereby state and certify that the Walnut Oil RBDW that we supply as a highly refined oil, is **Gluten and protein free** and doesn't contain other Tree nuts or Peanuts, nor other **allergens** listed in EU Directive 2007/68/EC. Our approved suppliers to the business segregate the known allergens during processing and during storage, but customers are advised to carry out additional testing if appropriate



Document Date:

June 2019

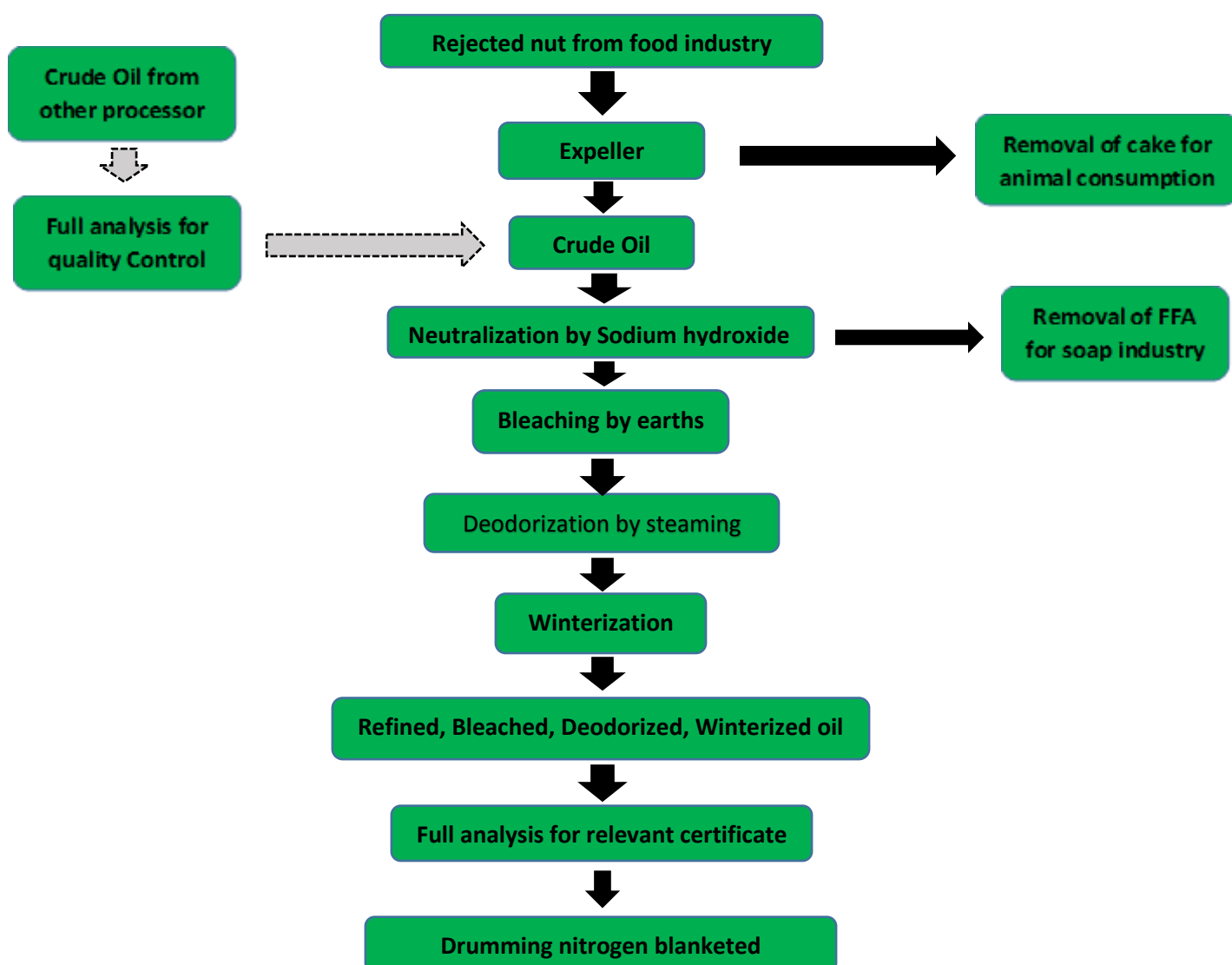
### STATEMENT

We hereby certify that **Walnut Oil Refined**, 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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Product Name	Walnut Oil
Date	29.11.2017



## Material Safety Data Sheet

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

<b>1.1</b>	<b>PRODUCT IDENTIFIER</b>	
	<b>PRODUCT NAME</b>	Walnut Oil Refined
	<b>INCI NAME</b>	Juglans Regia Seed Oil
	<b>CAS</b>	8024-09-7 84012-43-1
	<b>EC</b>	281-688-1
	<b>REACH REGISTRATION NO. (if applicable)</b>	Exempt
<b>1.2</b>	<b>RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE, AND USES ADVISED AGAINST</b>	
	Raw material for cosmetic and pharmaceutical products (emollient)	
<b>1.3</b>	<b>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET</b>	
	<b>COMPANY ADDRESS</b>	Madar Corporation Limited 19 - 20 Sandealth Industrial Estate, Fordingbridge, SP6 1PA
	<b>EMAIL ADDRESS</b>	technical@madarcorporation.co.uk
<b>1.4</b>	<b>EMERGENCY TELEPHONE NUMBER</b>	+ 44 (0) 1425 655 555
		Available during office hours.

### 02. HAZARDS IDENTIFICATION

<b>2.1</b>	<b>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE</b>	
	<b>CLASSIFICATION (EC 1272/2008)</b>	
	Not classified as hazardous.	
<b>2.2</b>	<b>LABEL ELEMENTS</b>	
	<b>LABEL IN ACCORDANCE WITH (EC) NO 1272/2008</b>	
	None	
	<b>SIGNAL WORD</b>	None
	<b>HAZARD STATEMENTS</b>	
	None	
	<b>PRECAUTIONARY STATEMENTS AND/OR SUPPLEMENTARY STATEMENTS</b>	
	None	
	<b>SUPPLEMENTARY STATEMENTS</b>	
	None	
<b>2.3</b>	<b>OTHER HAZARDS</b>	
	<b>ADVERSE EFFECTS ON HUMAN HEALTH</b>	No additional data
	<b>ADVERSE PHYSIO-CHEMICAL PROPERTIES</b>	No additional data

## Material Safety Data Sheet

### 03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1/3.2 SUBSTANCES/MIXTURES					
	PERCENTAGE	NAME	CAS	REACH REGISTRATION NO. (if applicable)	HAZARD CLASSIFICATION
	100.0	Juglans Regia Seed Oil	8024-09-7	-	Not classified as hazardous.

### 04. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES	
<b>INHALATION</b>	Remove to fresh air and remain in a position which is comfortable for breathing. Seek medical attention.
<b>INGESTION</b>	Do NOT induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Seek medical attention.
<b>SKIN CONTACT</b>	Remove contaminated clothing and wash before reuse. Wash skin thoroughly with soap and water. If discomfort occurs/continues, seek medical attention.
<b>EYE CONTACT</b>	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"> <li>- Carbon Dioxide</li> <li>- Alcohol Resistant Foam</li> <li>- Dry Chemical Powder</li> </ul> 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

## Material Safety Data Sheet

<b>6.1</b>	<b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES</b>
	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.
<b>6.2</b>	<b>ENVIROMENTAL PRECAUTIONS</b>
	Do not allow the product to enter drains or sewers, water course or the ground. Do not allow the product to enter the environment.
<b>6.3</b>	<b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP THIS PRODUCT</b>
	Small spills and residues may be absorbed with material such as cloth or sawdust, washed away with water and cleaned with sodic products. Larger spillage may be pumped.
<b>6.4</b>	<b>REFERENCE TO OTHER SECTIONS</b>
	Sections 8 & 13

### 07. EXPOSURE CONTROLS AND/OR PERSONAL PROTECTION

<b>7.1</b>	<b>PRECAUTIONS FOR SAFE HANDLING</b>
	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.
<b>7.2</b>	<b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES</b>
	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.
<b>7.3</b>	<b>SPECIFIC END USE(S)</b>

### 08. EXPOSURE CONTROLS

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

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

### 09. PHYSICAL AND CHEMICAL PROPERTIES

<b>7.1</b>	<b>INFORMATION ON BASIC PHYSICAL &amp; CHEMICAL PROPERTIES</b>	
	<b>APPEARANCE (E.G. LIQUID)</b>	Liquid
	<b>COLOUR</b>	Light Yellow
	<b>ODOUR</b>	Characteristic
	<b>SPECIFIC GRAVITY</b>	0.910 - 0.930
	<b>REFRACTIVE INDEX</b>	No additional data
	<b>FLASH POINT (°C)</b>	>280.0
	<b>AUTO-IGNITION TEMPERATURE (°C)</b>	>310.0
	<b>MELTING POINT (°C)</b>	No additional data
	<b>BOILING POINT (°C)</b>	>100.0
	<b>FLAMMABILITY</b>	Ignitable above flash point.
	<b>EXPLOSION LIMITS</b>	No additional data
	<b>DECOMPOSITION TEMPERATURE (°C)</b>	No additional data
	<b>SOLUBILITY</b>	Insoluble in water. Soluble in vegetable oils.
	<b>pH</b>	No additional data
	<b>VISCOSITY</b>	No additional data
	<b>PARTITION COEFFICIENT N-OCTANOL/WATER (log value)</b>	No additional data
	<b>VAPOUR PRESSURE</b>	2.16 kPa
	<b>VAPOUR DENSITY</b>	No additional data
<b>9.2</b>	<b>ADDITIONAL INFORMATION</b>	No additional data

### 10. STABILITY & REACTIVITY



## Material Safety Data Sheet

<b>10.1</b>	<b>REACTIVITY</b>
	Presents no significant reactivity hazard, by itself or in contact with water.
<b>10.2</b>	<b>CHEMICAL STABILITY</b>
	Stable under normal circumstances. Avoid high temperature in warehousing, avoid heating at more than 60°C (for cosmetic use).
<b>10.3</b>	<b>POSSIBLE HAZARDOUS REACTIONS</b>
	No additional data
<b>10.4</b>	<b>CONDITIONS TO AVOID</b>
	Extremes of temperature. All potential sources of ignition. Heating above the flash point.
<b>10.5</b>	<b>INCOMPATIBLE MATERIALS</b>
	Acids, Alkalis, Oxidizing Agents
<b>10.6</b>	<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>
	In the event of fire this product may generate oxides of carbon and other toxic gases.

### 11. TOXOLOGICAL INFORMATION

<b>11.1</b>	<b>ACUTE TOXICITY</b>
	Not expected in normal use.
<b>11.2</b>	<b>SKIN CORROSION/IRRITATION</b>
	Not expected in normal use.
<b>11.3</b>	<b>SERIOUS EYE DAMAGE/IRRITATION</b>
	Not expected in normal use. Mildly irritating to eyes.
<b>11.4</b>	<b>RESPIRATORY/SKIN SENSITIZATION</b>
	Not expected in normal use.
<b>11.5</b>	<b>GERM CELL MUTAGENICITY/CARCINOGENICITY/REPRODUCTIVE TOXICITY</b>
	Not expected in normal use.
<b>11.6</b>	<b>STOT – SINGLE EXPOSURE</b>
	Not expected in normal use.
<b>11.7</b>	<b>STOT – REPEATED EXPOSURE</b>
	Not expected in normal use.
<b>11.8</b>	<b>ASPIRATION HAZARD</b>
	Not expected in normal use.
<b>11.9</b>	<b>GENERAL AND/OR ADDITIONAL DATA; E.G. PHOTOTOXICITY</b>
	No additional data

### 12. ECOLOGICAL AFFECTS

<b>12.1</b>	<b>TOXICITY</b>
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## Material Safety Data Sheet

	Low
<b>12.2</b>	<b>PERSISTENCE &amp; DEGRADABILITY</b>
	>90% (OECD)
<b>12.3</b>	<b>BIOACCUMULATIVE POTENTIAL</b>
	None
<b>12.4</b>	<b>MOBILITY IN SOIL AND/OR WATER</b>
	Low. Insoluble in water.
<b>12.5</b>	<b>RESULTS OF A PBT/vPvB ASSESSMENT</b>
	No additional data
<b>12.6</b>	<b>OTHER ADVERSE EFFECTS</b>
	No additional data

### **13. DISPOSAL CONSIDERATIONS**

<b>13.1</b>	<b>WASTE TREATMENT METHODS</b>
	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**

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

### **15. REGULATORY INFORMATION**

## Material Safety Data Sheet

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

<b>16. OTHER INFORMATION</b>	
<b>16.1</b>	<b>HAZARD STATEMENTS</b> None
<b>16.2</b>	<b>CONCENTRATION PERCENTAGE LIMITS</b> No additional data
<b>16.3</b>	<b>TOTAL FRACTIONAL VALUES</b> No additional data
<b>16.4</b>	<b>KEY - ABBREVIATIONS</b> - -
<b>16.5</b>	<b>REVISION DATE</b> 06/02/2023
<b>16.6</b>	<b>REVISION NUMBER</b> 6
<b>16.7</b>	<b>REVISION REASON</b> Document review, new format.



## Product Specification

<b>PRODUCT</b>	Walnut Oil Refined				
<b>CODE</b>		<b>DATE</b>	23/05/2023	<b>REVISION</b>	7

<b>DESCRIPTION</b>	Oil obtained by expeller pressing the ripe seed of 'Juglans regia' chemically refined, bleached, deodorized and winterized				
<b>INCI NAME</b>	Juglans Regia Oil				
<b>CAS NUMBER</b>	8024-09-7	<b>EC NUMBER</b>	617-023-2		

### CHARACTERISTICS

<b>APPEARANCE AT ROOM TEMPERATURE</b>	Liquid
<b>COLOUR</b>	Clear – Light Yellow
<b>ODOUR</b>	Odourless

### ANALYSIS

<b>COLOUR (Lovibond 5%)</b>	<20Y, 2.0R
<b>SPECIFIC GRAVITY</b>	0.910 - 0.930 @ 20°C
<b>REFRACTIVE INDEX</b>	1.465 - 1.473 @ 20°C
<b>UNSAPONIFIABLE MATTER (%)</b>	≤1.5 %
<b>FFA (% Oleic Acid)</b>	≤0.5 %
<b>PEROXIDE VALUE (meq O<sub>2</sub>/kg)</b>	≤10.0
<b>IODINE VALUE (gr I<sub>2</sub>/100g)</b>	147.0 – 160.0

### FATTY ACID PROFILE (%)

<b>C16:0</b>	<b>PALMITIC ACID</b>	6.0 – 8.0
<b>C16:1</b>	<b>PALMITOLEIC ACID</b>	≤0.4
<b>C18:0</b>	<b>STEARIC ACID</b>	2.0 – 3.0
<b>C18:1</b>	<b>OLEIC ACID</b>	15.1 – 19.6
<b>C18:2</b>	<b>LINOLEIC ACID</b>	58.0 – 62.0
<b>C18:3</b>	<b>LINOLENIC ACID</b>	11.0 – 13.5



**Document Date: June 2019**

**STATEMENT**

We hereby certify that Walnut Oil Refined is suitable for Vegan and Vegetarians.

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