



CERTIFICATE OF ANALYSIS

Product: Walnut Oil
Batch Number: 4346706
Best Before End: January 2020

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	2.6
Specific Gravity @ 20°C	0.910 – 0.930	0.915
Refractive Index @ 20°C	1.465 – 1.473	1.468
Colour Lovibond 5.25" cell	2.0 Red maximum	1.7
	20.0 Yellow maximum	18
Iodine Value	147 - 160	155
Unsaponifiable Matter	1.5 maximum	0.6

FATTY ACID COMPOSITON (%)		
C16:0 Palmitic	6.0 – 8.0	7.1
C18:0 Stearic	2.0 – 3.0	2.7
C18:1 Oleic	15.1 – 19.6	18.7
C18:2 Linoleic	58.0 – 62.0	58.2
C18:3 Alpha Linolenic	11.0 – 13.5	12.0

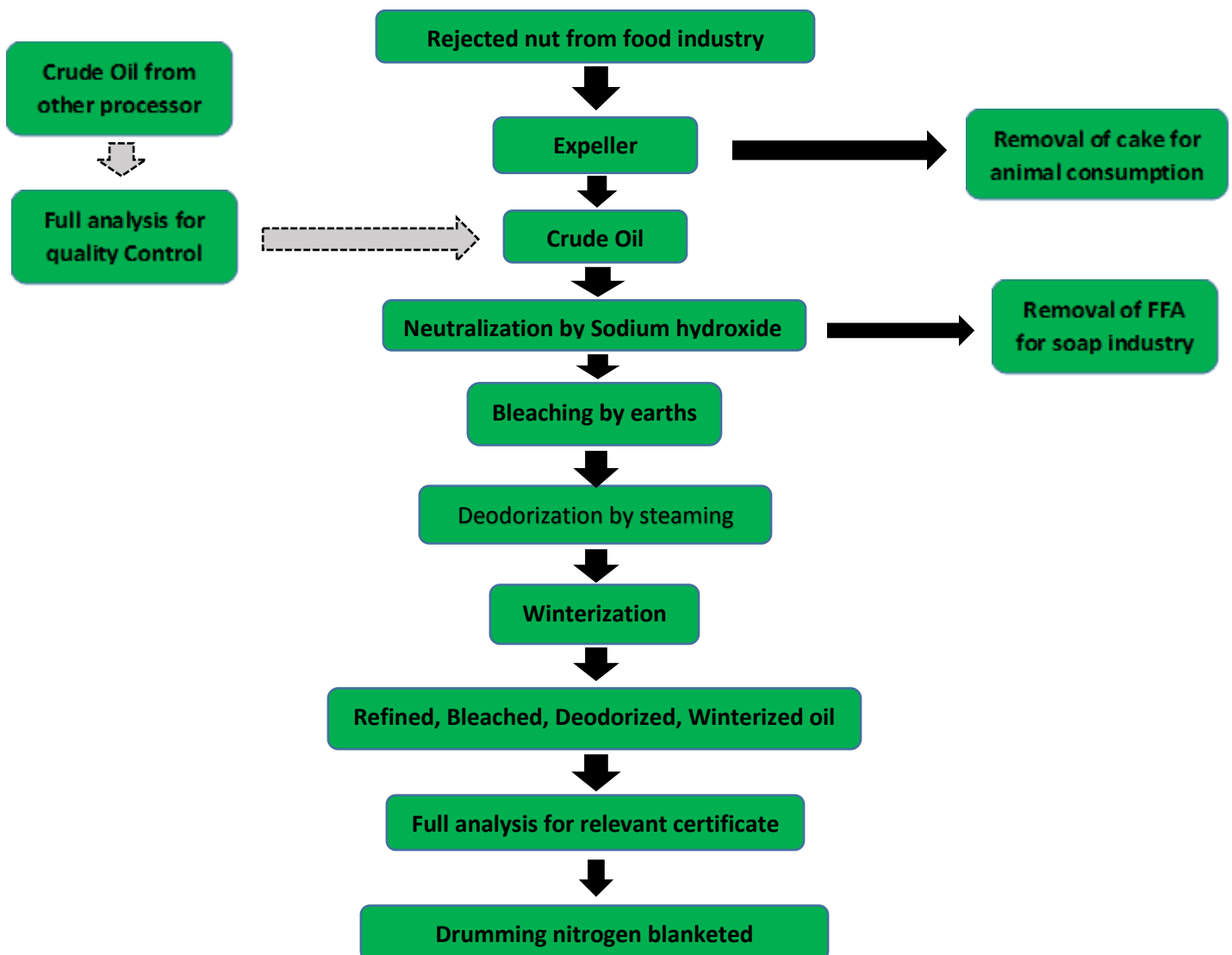


ALLERGEN STATEMENT Walnut Oil

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

Manufacturing Flow Chart

Product Name	Walnut Oil
Date	29.11.2017



MATERIAL SAFETY DATA SHEET

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

Product Name	Walnut Oil Refined				
Biological Definition	Naturally occurring vegetable oil obtained from the ripe seed of Juglans regia.				
INCI Name	Juglans regia				
Synonyms & Trade Names	-				
Supplier	MADAR Corporation Limited, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA Approved Sellers: Cosmetic Butters, Mystic Moments, New Directions, World of Moulds				
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	Exempt as per Annex IV and V according to EU Regulation 1907/2006				
FEMA No.	-	FDA No.	-	CoE No.	-
CAS-No	-	EC No.	-	EINECS No.	-

02. HAZARDS IDENTIFICATION

Classification (1999/45)	No additional data
Classification (EC 1272/2008)	The product does not belong to any list of substances supposedly hazardous to human or animal health according to EU Regulation 1272/2008 and further amendments, nor to those having recognised exposition limits. Care should be taken when handling hot oil as it may constitute a burn hazard. Spills constitute a slippage hazard.
Label in accordance with (EC) No 1272/2008	No additional data
Signal Word	No additional data
Contains	No additional data
Hazard Statements	No additional data
Precautionary Statements	No additional data
Supplementary Precautionary Statements	No additional data
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

No additional data

04. FIRST AID MEASURES

General Information	Remove contaminated soaked clothing immediately.
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MATERIAL SAFETY DATA SHEET

Inhalation	Not expected with this type of product
Ingestion	No measure, being a non-toxic product
Skin Contact	No measure, being a non-toxic product
Eye Contact	Wash thoroughly with running tap water

05. FIRE-FIGHTING MEASURES

Extinguishing Media	Foam, CO2, Dry chemical powder.
Special Fire Fighting Procedures	No additional data.
Specific Hazards	The product may only form ignitable mixtures or burn above the flash point. Dangerous combustion products include smoke and oxides of carbon.
Protective Measures in Fire	Standard. Wear self-contained breathing apparatus in confined spaces.

06. ACCIDENTAL RELEASE MEASURES

Personal Precautions	No special precautions required.
Environmental Precautions	No special precautions required.
Spill Clean Up Methods	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.

07. HANDLING AND STORAGE

Usage Precautions	Keep containers sealed when not in use. Prevent spills and leaks to avoid slip hazard. Provide suitable mechanical equipment for the safe handling of drums and heavy packages.
Storage Precautions	Keep containers out of direct sunlight in cool dry conditions at a temperature not exceeding 25°C. Keep in the original containers or in plastic or plastic-coated containers. Limit oxygenation (contact with air).

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	No particular protection measure is needed.
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MATERIAL SAFETY DATA SHEET

Engineering Measures	Not applicable
Respiratory Equipment	Not applicable
Hand Protection	Not applicable
Eye Protection	Not applicable
Other Protection	Not applicable
Hygiene Measures	Not applicable

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, light yellow liquid at 20°C
Colour	Light yellow
Odour	Almost odourless
Relative Density	0,910 - 0,930 gr/cm ³ at 20°C
Flash Point (°C)	> 280°C
Refractive Index	No additional data
Melting Point (°C)	No additional data
Boiling Point (°C)	> 100°C
Vapour Pressure	No additional data
Solubility in Water @20°C	No additional data
Auto-ignition temperature (°C)	No additional data

10. STABILITY AND REACTIVITY

Stability	Stable under normal circumstances.
Conditions to Avoid	High temperature warehousing, heating at more than 60°C (for cosmetic use)
Materials to Avoid	Concentrated acids, alkalis and oxidising agents
Hazardous Decomposition Products	The product does not decompose under normal conditions. In fire conditions a complex mixture of irritating fumes and smoke will be evolved.

MATERIAL SAFETY DATA SHEET

11. TOXOLOGICAL INFORMATION

Acute Toxicity	No additional data
Skin corrosion / irritation	No additional data
Serious eye damage / irritation	No additional data
Respiratory or skin sensitisation	No additional data
Germ Cell Mutagenicity	No additional data
Carcinogenicity	No additional data
Reproductive toxicity	No additional data
STOT-single exposure	No additional data
STOT-repeated exposure	No additional data
Aspiration hazard	No additional data
Photo-toxicity	No additional data
Other Information	Non toxic product, pharmaceutical and cosmetic use. Doesn't have any microbiological specification as it is sterilized in the refining process. Doesn't contain impurities. Not included in the list of substances prohibited in cosmetic products or subjected to restrictions, doesn't contain colorants, preservatives or UV filters (Annex II - VI of EU Regulation 1223/2009).

12. ECOLOGICAL INFORMATION

Ecotoxicity	Low
Mobility	Low
Persistence & Biodegradability	> 90% (OECD)

MATERIAL SAFETY DATA SHEET

Bioaccumulation Potential	None
PBT Assessment Results	No additional data
Precautions	No additional data

13. DISPOSAL CONSIDERATIONS

Disposal Methods	When possible, recover spilled product. When product must be discarded, do so into an authorised dump or recycling service station. Act in accordance with local and national regulations
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14. TRANSPORT INFORMATION

Warning Icon	Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks.
Proper Shipping Name	No additional data
UN No. Road	No additional data
ADR Class	No additional data
Hazard No (ADR)	No additional data
Hazchem Code	No additional data
UN No. SEA	No additional data
IMDG Class	No additional data
IMDG Pack Gr.	No additional data
EMS	No additional data
UN No. AIR	No additional data
Air Class	No additional data

MATERIAL SAFETY DATA SHEET

Air Pack Gr.	No additional data
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15. REGULATORY INFORMATION

EU Directives	Not dangerous according to REACH Regulation 1907/2006 No signal word, pictograms, hazard or safety phrases required (EU Regulation. 1272/2008 CLP)
Statutory Instruments	No additional data
Approved Code of Practice	No additional data
Guidance Notes	No additional data

16. OTHER INFORMATION

Revision Date	15.02.2018
Rev No/Repl, SDS Generated	4
Risk Phrases in Full	-
Hazard Statements in Full	-
Other Information	-

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	Walnut Oil, RBDW		
Description	Oil obtained by expeller pressing from the ripe seed of 'juglans regia' chemically refined, bleached, deodourised and winterised.		
Appearance	Liquid		
Odour	Almost odourless		
Customs Tariff Number	15 15 90 60		
Function	Skin conditioning		
INCI Name	Juglans regia		
CAS Number	8024-09-7/ 84012-43-1	EC Number	281-688-1

TEST SPECIFICATION

Analytical Test	Method	Specification Range
FFA. (Oleic acid) %	EP 7 (2.5.1.)	Max. 0,5
Peroxide Value (meqO ₂ /kg)	EP 7 (2.5.5.)	Max. 10,0
Specific gravity (20°C) gr/cm ³	EP 7 (2.2.5.)	0,910 – 0,930
Refractive index (20°C) nr	EP 7 (2.2.6.)	1,465- 1,473
Colour y/r	Lovibond 5¼"	Max. 20/2,0
Iodine Value grI ₂ /100gr	EP 7 (2.5.4.)	147-160
Unsaponifiable matter %	EP 7 (2.5.7.)	Max. 1,5
Shelf life	Lab re-check	18 months from production date

TYPICAL FATTY ACID PROFILE

C16:0 Palmitic Acid %	EP 7 (2.4.22.)	6,0 -8,0
C16:1 Palmitoleic Acid %	EP 7 (2.4.22.)	Max. 0,4
C18:0 Stearic Acid %	EP 7 (2.4.22.)	2,0- 3,0
C18:1 Oleic Acid %	EP 7 (2.4.22.)	15,1 – 19,6
C18:2 Linoleic Acid %	EP 7 (2.4.22.)	58,0- 62,0
C18:3 Linolenic Acid %	EP 7 (2.4.22.)	11,0- 13,5

STORAGE/SHELF LIFE

Min. 18 Months from production date when stored in closed containers protected from light.



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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.