CERTIFICATE OF ANALYSIS

Product Batch No: Best Before End: Cinnamon Bark Organic 4472002 June 2025

Appearance: Odour:

Mobile Oily Liquid Dark Yellow - Orange Characteristic

TEST	SPECIFICATION	ANALYSIS
Specific Gravity @ 20°C	1.000 – 1.050	1.046
Refractive Index @ 20°C	1.565– 1.600	1.596
Optical Rotation @ 20°C	-2° to +2°	-0.1°

Product Name Organic Cinnamon		Organic Cinnamon Ba	ark Oil		
INCI Name Cinnamomum Zey		Cinnamomum Zeylan	icum Bark Oil		
Date	15/05/2020	Product Code		Revision	3
		Material	Cas Number	Cosmetic A Inclusion (9	
	ALPHA-	SOMETHYLIONONE	127-51-5	-	
		AMYL CINNAMAL	122-40-7	-	
	AMYL C	INNAMYL ALCOHOL	101-85-9	-	
		ANISE ALCOHOL	105-13-5	-	
		BENZYL ALCOHOL	100-51-6	-	
		BENZYL BENZOATE	120-51-4	≤ 0.53	
	E	ENZYL CINNAMATE	103-41-3	-	
		BENZYL SALICYLATE	118-58-1	-	
	BUTYLPHENYLI	METHYLPROPIONAL	80-54-6	-	
CINNAMAL		CINNAMAL	104-55-2	≤ 87.75	
	C	INNAMYL ALCOHOL	104-54-1	≤ 1.38	
		CITRAL	5392-40-5	-	
		CITRONELLOL	106-22-9	-	
		COUMARIN	91-64-5	≤ 2.63	
		EUGENOL	97-53-0	≤ 2.13	
	EVERNIA FUI	RFURACEA EXTRACT	90028-67-4	-	
	EVERNIA P	RUNASTRI EXTRACT	90028-68-5	-	
		FARNESOL	4602-84-0	-	
GERANIOL		GERANIOL	106-24-1	-	
		HEXYL CINNAMAL	101-86-0	-	
HYDROXYCITRONELLAL		DROXYCITRONELLAL	107-75-5	-	
	HYDROXYISOHEX	YL 3-CYCLOHEXENE	31906-04-4	-	
ISO EUGENOL		ISO EUGENOL	97-54-1	-	
		LIMONENE	5989-27-5	≤ 0.4	
		LINALOOL	78-70-6	≤ 0.5	
	ME	THYL 2-OCTYNOATE	111-12-6	-	

Date	15/05/2020

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ORGANIC CINNAMON BARK OIL STATEMENT

We can confirm, that to the best of our knowledge no material of GM origin has been used at any stage of the production of this product.

Organic Cinnamon Bark Oil contains Safrole which is classed as a CMR substance.

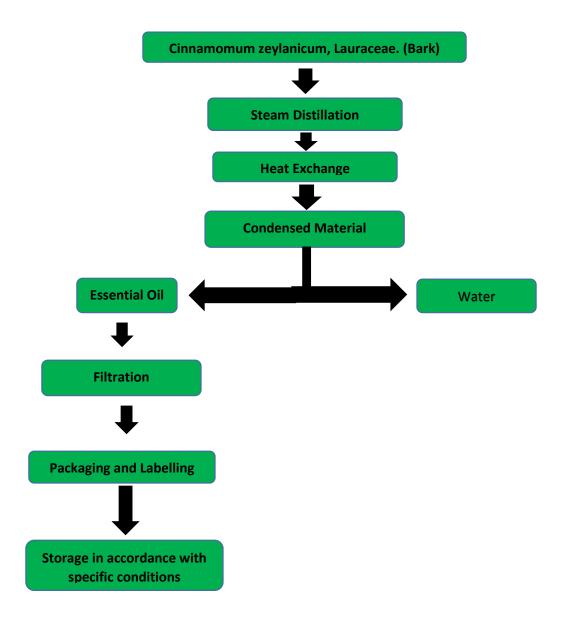
This product is suitable for vegan use.

DATE: 26/05/2021

This information is accurate to the best of our knowledge. However, it is incumbent upon all purchasers to satisfy themselves that the criteria meet their own specific requirements. All materials are supplied to our standard terms and conditions and we cannot accept any liability arising out of the use, application or processing of this material.



Product Name	Organic Cinnamon Bark Oil
Date	07 Jan. 2019



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

1.1	1.1 Product Identifier					
Prod	luct Name		Organic Cinnamon Bark Oil			
Biolo	ogical Definition		-			
Sync	onyms & Trade Nam	ies	-			
CAS-	No	84649-98-9	EC No.	283-479-0	EINECS No.	283-479-0
1.2	Relative identifi	ed uses of the su	bstance or mixt	ure and uses ad	vised against	
	No additional data	a				
1.3	Details of the su	pplier of the safe	ety data sheet			
	Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate Fordingbridge SP6 1PA 01425 655 555 technical@madarcorporation.co.uk					
1.4	Emergency Tel.	No.	+ 44 (0) 142	5 655 555		

02. HAZARD IDENTIFICATION

2.1	.1 Classification of the substance or mixture		
	No additional data available.		
Class	ification (EC 1272/2008)		
	 Acute Toxicity – Dermal Category 4 - H312, Harmful in contact with skin. Skin Corrosion / Irritation Category 2 - H315, Causes skin irritation. Eye Damage / Irritation Category 2 - H319, Causes serious eye irritation. Sensitization - Skin Category 1 - H317, May cause an allergic skin reaction. Hazardous to the Aquatic Environment – Long-term Hazard Category 3 -H412, Harmful to aquatic life with long lasting effects. 		
2.2	Label Elements		
Labe	l in accordance with (EC) No 1272/2008		
Signa	al Word	Warning.	
Cont	ains	Cinnamaldehyde	

Hazard Statements		
H312 - Harmful in contact with skin		
H315 - Causes skin irritation.		
H317 - May cause an allergic skin re	eaction.	
H319 - Causes serious eye irritation		
H412 - Harmful to aquatic life with	long lasting effects.	
Precautionary Statements		
P261 - Avoid breathing vapour.		
P264 - Wash hands and other conta	acted skin thoroughly after handling.	
P272 - Contaminated work clothing	should not be allowed out of the workplace.	
P273 - Avoid release to the environ	ment.	
P280 - Wear protective gloves/eye	protection/face protection.	
P302/352 - IF ON SKIN - Wash with plenty of soap and water.		
P305/P351/P338 - IF IN EYES - Rinse cautiously with water for several minutes. Remove contact lenses, if		
present and easy to do. Continue rinsing.		
P312 - Call a POISON CENTRE or doctor/physician if you feel unwell.		
P333/P313 - If skin irritation or rash occurs: Get medical advice/attention.		
P337/P313 - If eye irritation persists: Get medical advice/attention.		
P362 - Take off contaminated clothing and wash before reuse.		
P501 - Dispose of contents/container to approved disposal site, in accordance with local regulations.		
Supplementary Precautionary Statements	5	
None.		
2.3 Other Hazards		
PBT or vPvB according to Annex XIII	This substance does not meet the PBT/vPvB criteria.	
Adverse physio-chemical properties	None.	
Adverse effects on human health None.		

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2	Mixtures
	< 87.75% Cinnamaldehyde
	CAS: 104-55-2
	Classification (EC 1272/2008)
	- Acute Tox. 4 - H312
	- Skin Irrit.2 - H315
	- Eye Irrit. 2 - H317
	- Skin Sens.1A - H319
	< 2.63% Coumarin
	CAS: 91-64-5
	Classification (EC 1272/2008)
	- Acute Tox. 4 - H302
	- Skin Sens. 1B - H317
	< 2.13% Eugenol
	CAS: 97-53-0

Classification (EC 1272/2008)
- Eye Irrit. 2 - H317
- Skin Sens.1B - H319
< 1.75% Benzaldehyde
CAS: 100-52-7
Classification (EC 1272/2008)
- Acute Tox. 4 - H302
- Acute Tox. 4 - H319
- Eye Irrit. 2 - H332
- STOT SE 3 - H335
< 1.63% beta- Carylophyllene
CAS: 87-44-5
Classification (EC 1272/2008)
- Skin Sens. 1B - H304
- Asp. Tox 1 - H317
- Aquatic Chronic 4 - H413
< 1.38% Cinnamyl alcohol
CAS: 104-54-1
Classification (EC 1272/2008)
- Skin Sens. 1B - H317
< 0.53% Benzyl benzoate
CAS: 120-51-4
Classification (EC 1272/2008)
- Acute Tox. 4 - H302
- Aquatic, Acute 1 - H400
- Aquatic Chronic 2 - H411
< 0.50% Linalool
CAS: 78-70-6
Classification (EC 1272/2008)
- Skin Irrit. 2 - H315
- Eye Irrit. 2 - H317
- Skin Sens. 1B -H319
< 0.4% d-Limonene
CAS: 5989-27-5
Classification (EC 1272/2008)
- Flam. Liq. 3 - H226
- Skin Irrit.2 - H304
- Skin Sens. 1B - H315
- Asp.Tox 1 - H317
- Aquatic Acute 1 - H400
- Aquatic Chronic 1 - H410
< 0.25% Eucalyptol
CAS:470-82-6
Classification (EC 1272/2008)

-	Flam. Liq. 3 - H226
-	Skin Sens.1B - H317
< 0.25	% Terpinolene
CAS: 5	86-62-9
Classi	fication (EC 1272/2008)
-	Skin Sens. 1B - H304
-	Asp. Tox 1 - H317
-	Aquatic Acute 1 - H400
-	Aquatic Chronic 1 - H410
< 0.13	% alpha-Pinene
CAS: 8	30-56-8
Classi	fication (EC 1272/2008)
-	Flam. Liq. 3 - H226
-	Acute Tox.4 - H302
-	Skin Irrit. 2 - H304
-	Skin Sens. 1B - H315
-	Asp. Tox 1 - H317
-	Aquatic Acute 1 -
-	Aquatic Chronic 1 - H410
1	•

04. FIRST AID MEASURES

4.1 Description of first aid measures		
Inhalation Remove casualty to fresh air, remove any contaminated clothing. Seek medical advice for		
	breathing difficulty. Call a POISON CENTRE or doctor/physician if you feel unwell.	
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Seek medical advice immediately. Call a	
	POISON CENTRE or doctor/physician if you feel unwell.	
Skin Contact	Wash off affected area with soap and running water. If irritation persists seek medical advice. Call	
	a POISON CENTRE or doctor/physician if you feel unwell.	
Eye Contact	Irrigate eye with plenty of water for 15 minutes with lids held open. Seek medical advice if	
	irritation persists. Call a POISON CENTRE or doctor/physician if you feel unwell.	
4.2 Most imp		
Harmful in	Harmful in contact with skin.	
Causes skir	Causes skin irritation.	
May cause	May cause an allergic skin reaction.	
Causes serious eye irritation.		
4.3 Indication of any immediate medical attention and special treatment needed		
None expe	cted, see Section 4.1 for further information.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

- Extinguishing media: Carbon dioxide (CO₂). Dry Chemical Powder. Foam.
- 5.2 Special hazards arising from the product

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

06. ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures
	Avoid inhalation. Avoid contact with skin and eyes.
6.2	Environmental Precautions
	Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines.
6.3	Methods and material for containment and cleaning up.
	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.
6.4	Reference to other sections
	Section 8 - Exposure controls/personal protection for further information on personal precautions. Section 13 - Disposal Considerations for further information on waste treatment.

07. HANDLING AND STORAGE

7.1	Precautions for safe handling	
	Keep away from heat, sparks, open flames and hot surfaces No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.	
7.2	2 Conditions for safe storage, including any incompatibilities	
	Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.	
7.3	Specific end use(s)	
	Flavours, Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.	

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters	
	Workplace exposure limits:	Not Applicable
8.2	Exposure controls	
Prote	ective Equipment	

Process Conditions	No additional data available.	
Engineering Measures	No additional data available.	
Respiratory Equipment	Under normal conditions of use and where adequate ventilation is available to prevent build-up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material. Also refer to Sections 2 and 7.	
Hand Protection	Wear protective gloves/eye protection/face protection.	
Eye Protection	Wear protective gloves/eye protection/face protection.	
Other Protection	Wear suitable protection to avoid contact with skin and eyes. Do not inhale vapours.	
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.	
Personal Protection	Avoid inhalation of the product. Avoid contact with skin and eyes.	
Skin Protection	Wear protective clothing to reduce the risk of skin and eye contact.	
Environmental Exposure Controls	Avoid discharging into drainage water.	

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties		
Appearance	Clear liquid, pale to dark yellow.	
Colour	Pale to dark yellow.	
Odour	Characteristic – spicy, sweet tenacious.	
Relative Density	Approx. 1.025 @20°C	
Flash Point (°C)	70	
Refractive Index	Approx. 1.583 @20°C	
Melting Point (°C)	No additional data available.	
Boiling Point (°C)	No additional data available.	
Vapour Pressure	No additional data available.	
Solubility in Water @20°C	No additional data available.	
Auto-ignition	No additional data available.	
temperature (°C)		
9.2 Other information		
No additional data av	No additional data available.	

10. STABILITY AND REACTIVITY

10.1	Reactivity	
	Presents no significant reactivity hazard, by itself or in contact with water.	
10.2	2 Chemical stability	
	Chemically stable under the recommended handling and storage conditions.	
10.3	.3 Possible hazardous reactions	
	Not expected under normal conditions of use.	
10.4	0.4 Conditions to Avoid	
	Avoid extreme heat.	
10.5	Incompatible materials	
	Avoid strong acids, alkalis and oxidising agents	
10.6	Hazardous Decomposition Products	
	Not expected.	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Acute Toxicity - Dermal Category 4
	Acute Toxicity Oral 2327
	Acute Toxicity Dermal 1254
	Acute Toxicity Inhalation Not Available
Skin corrosion / irritation	Skin Corrosion / Irritation Category 2
Serious eye damage / irritation	Eye Damage / Irritation Category 2
Respiratory or skin sensitisation	Sensitization - Skin Category 1
Germ Cell Mutagenicity	Based on available data the classification criteria are not met.
Carcinogenicity	Based on available data the classification criteria are not met.
Reproductive toxicity	Based on available data the classification criteria are not met.
STOT-single exposure	Based on available data the classification criteria are not met.
STOT-repeated exposure	Based on available data the classification criteria are not met.
Aspiration hazard	Based on available data the classification criteria are not met.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1	Toxicity
	Harmful to aquatic life with long lasting effects.
12.2	Persistence & degradability
	No additional data available.

12.3	Bioaccumulation Potential	
	No additional data available.	
12.4	Mobility in soil	
	No additional data available.	
12.5	12.5 Results of PBT and vPvB Assessment	
	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.	
12.6	Other adverse effects	
	Do not allow product to enter streams, sewers or other waterways.	

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods		Waste treatment methods
		Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the
		environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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 na	me
	None.	
14.3	Transport hazard class	es)
	None.	
14.4	Packing group	
	None.	
14.5	Environmental hazards	
	Not environmentally hazardous for transport.	
14.6	Special precautions for	user
	Not classified.	
14.7	Transport in bulk accor	ding to Annex II of MARPOL73/78 and the IBC code
	Not defined.	
14.7		ding to Annex II of MARPOL73/78 and the IBC code

15. REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
	Statutory Instruments	

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). <u>Approved Code of Practise</u> Classification and Labelling of Substances and Preparations Dangerous for Supply, Safety Data Sheets 1

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes

CHIP for everyone HSG (108). Workplace Exposure Limits EH40

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.

16. OTHER INFORMATION

Hazard and/or Precautionary	H226 - Flammable liquid and vapour.
Statements in Full	H302 - Harmful if swallowed.
Statements in Full	
	H304 - May be fatal if swallowed and enters airways.
	H312 - Harmful in contact with skin.
	H315 - Causes skin irritation.
	H317 - May cause an allergic skin reaction.
	H319 - Causes serious eye irritation.
	H332 - Harmful if inhaled.
	H335 - May cause respiratory irritation.
	H400 - Very toxic to aquatic life.
	H410 - Very toxic to aquatic life with long lasting effects.
	H411 - Toxic to aquatic life with long lasting effects.
	H412 - Harmful to aquatic life with long lasting effects.
Other Information	Key abbreviations:
	Acute Tox. 4, Acute Toxicity - Dermal Category 4
	Acute Tox. 4, Acute Toxicity - Oral Category 4
	Acute Tox. 4, Acute Toxicity - Inhalation Category 4
	Aquatic Acute 1, Hazardous to the Aquatic Environment - Acute Hazard
	Category 1
	Aquatic Chronic 1, Hazardous to the Aquatic Environment - Long-term Hazard
	Category 1
	Aquatic Chronic 2, Hazardous to the Aquatic Environment - Long-term Hazard
	Category 2
	Aquatic Chronic 4, Hazardous to the Aquatic Environment - Long-term Hazard
	Category 4
	Asp. Tox 1, Aspiration Hazard Category 1
	Eye Irrit. 2, Eye Damage / Irritation Category 2

	 Flam. Liq. 3, Flammable Liquid, Hazard Category 3 STOT SE 3, Specific Target Organ Toxicity (Single Exposure) Category 3 Skin Irrit. 2, Skin Corrosion / Irritation Category 2 Skin Sens. 1A, Sensitization - Skin Category 1A Skin Sens. 1B, Sensitization - Skin Category 1B
Revision Date	19/02/2020
Rev No	3

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Product Name		Organic Cinnamon Bark Oil				
Date	14/05/2020	Product Code		Rev	2	
Description		-				
Appearance		Clear liquid pale to dark yellow				
Odour		Characteristic; spicy, sweet, tenacious				
Customs Tariff Number		-				
Origin		Sri Lanka				
Application		Cosmetic				
Function	unction Masking, Perfuming, Tonic					
INCI Nan	ne	Cinnamomum Zeylanicum Bark oil				
CAS Number		84649-98-9	EC Number	283-479-0		

TEST SPECIFICATION

Analytical Test	Specification Range
Specific Gravity @ 20°C (g/ml)	1.000 - 1.050
Refractive Index @ 20°C	1.565 – 1.600
Optical Rotation (°)	-2 to +2

STORAGE

Store product in full, tightly closed containers in a cool dry place away from heat and sunlight.

STABILITY

When stored for more than 24 months, quality should be checked before use.

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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.

Date: 15/01/2019

Re: Vegan – Cinnamon Bark Organic Oil

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