



CERTIFICATE OF ANALYSIS

Fragonia Essential Oil

Batch Number: 4295611
Expiry Date: August 2020

Appearance	Colourless to pale yellow liquid
Odour	Characteristic
O.R. @ 20°C	+11.9
S.G.@ 20°C	0.907
R.I. @ 20°C	1.470
Flashpoint	46°C
Solubility	Soluble in ethanol

Storage

Shelf life of this product is influenced by many conditions of which temperature, exposure to light/air and general good storage are the major factors. Material stored in adverse conditions may deteriorate much faster. We Recommend that this product be retested every 3-6 months until expiry date. The expiry date is subjective and should be controlled by QC/QA. Typical indicators of re-test failure would be changes in organoleptic properties (clarity/colour/sediment/haze/off odour etc.) Such changes may be gradual and slight and the commercial expiry date is intended to reflect a viable maximum proposal subject to earlier re-test approvals.

Caution

Concentrated product for industrial use avoid contact with eyes and mucous. Do not drink.



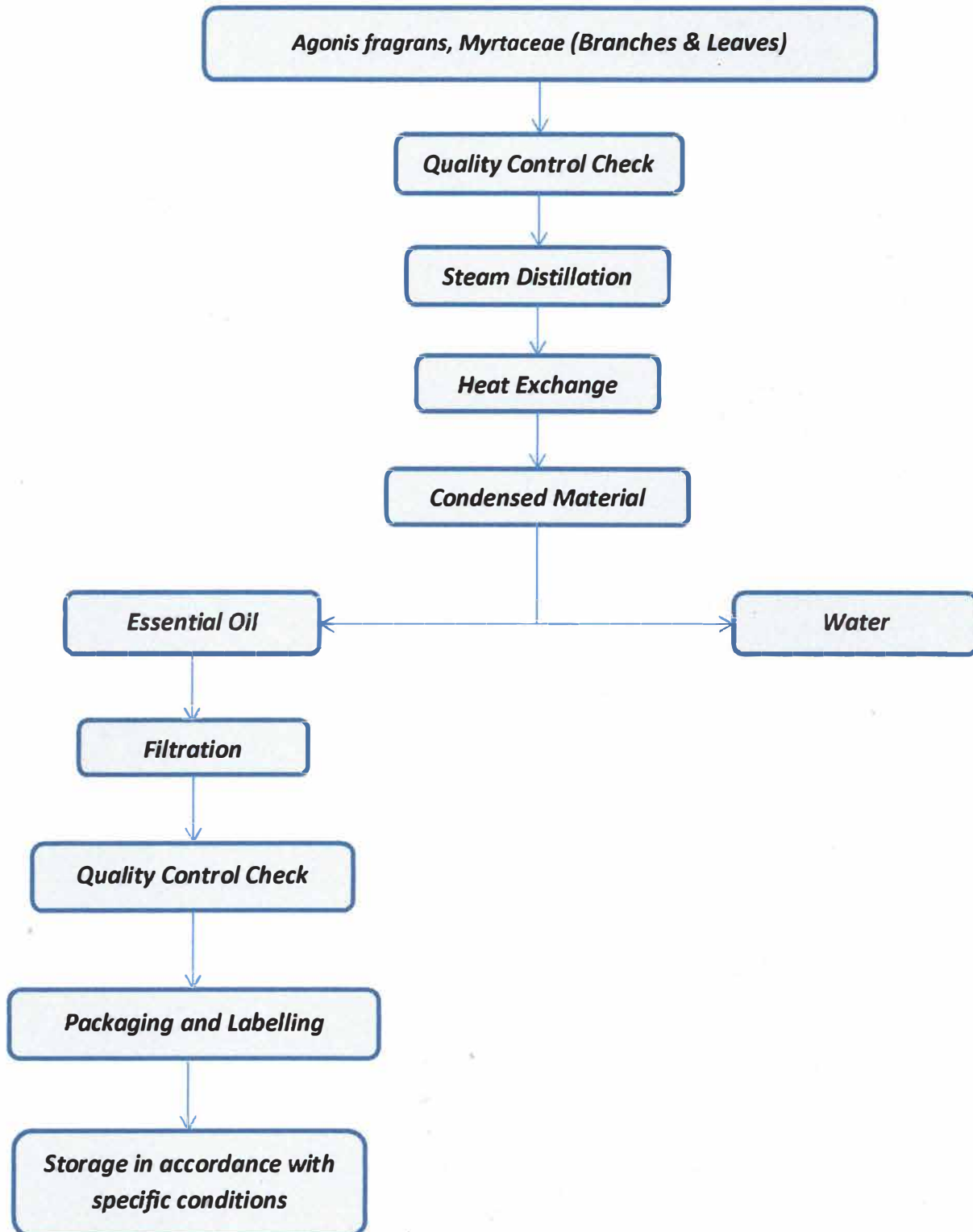
ALLERGEN LISTING

MATERIAL NAME: FRAGONIA OIL

INGREDIENT	CAS No.	% TOTAL
Alpha-Isomethylionone	127-51-5	A
Amyl Cinnamal	122-40-7	A
Amylcinnamyl Alcohol	101-85-9	A
Anise Alcohol	105-13-5	A
Benzyl Alcohol	100-51-6	A
Benzyl Benzoate	120-51-4	A
Benzyl Cinnamate	103-41-3	A
Benzyl Salicylate	118-58-1	A
Butylphenyl Methylpropional (Lilial)	80-54-6	A
Cinnamal	104-55-2	A
Cinnamyl Alcohol	104-54-1	A
Citral	106-26-3	A
	141-27-5	A
	5392-40-5	A
Citronellol	106-22-9	A
	1117-61-9	A
	141-25-3	A
	6812-78-8	A
	68916-43-8	A
	7540-51-4	A
Coumarin	91-64-5	A
Eugenol	97-53-0	A
Evernia Furfuraceae (Tree Moss) Extract	90028-67-4	A
Evernia Prunastri (Oak Moss) Extract	90028-68-5	A
Farnesol	4602-84-0	A
Geraniol	106-24-1	1.60
Hexyl Cinnamal	101-86-0	A
Hydroxycitronellal	107-75-5	A
Hydroxyisohexyl 3-Cyclohexene Carbocetaldehyde (Lyral)	31906-04-4	A
Isoeugenol	97-54-1	A
Limonene	138-86-3	A
	5989-27-5	2.50
	5989-54-8	A
Linalool	126-90-9	A
	126-91-0	A
	78-70-6	13.00
Methyl 2-Octynoate	111-12-6	A

* A denotes absent

The information contained herein is true and accurate to the best of our knowledge.
We will not therefore accept liability for misuse of this data.





GMO DECLARATION

MATERIAL	FRAGONIA OIL
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Our company supplies the above ingredient to your company.

We declare that no material of GM origin has been used at any stage of the production of this product.

**SAFETY DATA SHEET
FRAGONIA OIL AUSTRALIA**

REVISION: 03.03.2016

Product Name	FRAGONIA OIL AUSTRALIA		
INCI Name	<i>Agonis Fragrans</i> Branch/Leaf Oil		
Batch Number	OEFRAG		
Revision No	01	Date	03/03/2016

We certify that the above compound is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA 48th Amendment), provided it is used in the following class(es) at a maximum concentration level of:

IFRA Class(es) (See Annex for Details)	Max Level of Use (%)
Class 1	18.75
Class 2	25.00
Class 3	No Limit
Class 4	No Limit
Class 5	No Limit
Class 6	No Limit
Class 7	56.25
Class 8	No Limit
Class 9	No Limit
Class 10	No Limit
Class 11	No Limit

For other kinds of application or use at higher concentration levels, a new evaluation may be needed; please contact MADAR Corporation Ltd.

The IFRA Standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

Evaluation of individual Fragrance ingredients is made according to the safety standards contained in the relevant section of the IFRA Code of Practice. This certificate serves only as a guide to the maximum level of use.

It is the ultimate responsibility of the customer to ensure safe formulating principles are utilised and the safety of the final product (containing this fragrance), by further testing if need be.

**SAFETY DATA SHEET
FRAGONIA OIL AUSTRALIA**

REVISION: 03.03.2016

ANNEX: Definition of IFRA Classes	
Finished Product Types	IFRA Class
Lip Products of all types (solid and liquid lipsticks, balms, clear or coloured, lip wax, etc. Toys. Waxes for mechanical hair removal.	Class 1
Deodorant and Antiperspirant Products of all types (spray, stick, roll-on, under-arm and body, etc.) Fragranced bracelets.	Class 2
Hydroalcoholic Products Applied to Recently Shaved Skin. Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc. Men's Facial Creams, Balms. Tampons. Baby Creams, Lotions, Oils. Body Paint for Children.	Class 3
Hydroalcoholic Products Applied to Unshaved Skin (includes body mists (aqueous based, alcoholic based and hydroalcoholic)). Hair styling Aids, Hair Sprays of all types (pumps, aerosol sprays, etc.). Body Creams, Oils, Lotions, Fragrancing Creams of all types (except baby creams and lotions). Ingredients of Perfume Kits. Fragrance Compounds for Cosmetic Kits. Scent Pads, Foil Packs. Scent Strips for Hydroalcoholic Products. Foot Care Products. Hair Deodorant. Body Paint (except those for children).	Class 4
Women's Facial Creams/ Facial Make-up. Hand cream. Facial masks. Baby Powder & Talc. Hair Permanent and Other Hair Chemical Treatments (e.g. relaxers) but not hair dyes. Wipes or Refreshing Tissues for Face, Neck, Hands, Body. Dry Shampoo or Waterless Shampoo. Hand Sanitisers.	Class 5
Mouthwash, including Breath sprays. Toothpaste.	Class 6
Intimate Wipes. Baby Wipes. Insect Repellent (intended to be applied to the skin).	Class 7
Make-up Removers of all types (not including face cleansers). Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in conditioners, etc.). Nail care. All powders and talcs (except baby powders and talcs). Hair dyes.	Class 8



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<p align="center">Bar Soap (Toilet Soap). Bath Gels, Foams, Mousses, Salts, Oils and Other Products Added to Bathwater. Body Washes of all types (including baby washes) and Shower Gels of all types. Conditioner (Rinse-Off). Depilatory (not including waxes for mechanical hair removal). Face Cleansers of all types (washes, gels, scrubs, etc.). Facial Tissues. Feminine Hygiene – Pads. Feminine Hygiene – Liners. Liquid Soap. Napkins. Paper Towels. Shampoos of all types (including baby shampoos). Shaving Creams of all types (stick, gel, foams, etc.). Toilet Paper. Wheat Bags. Other Aerosols (including air fresheners sprays and air freshener pump sprays, but not including deodorant/antiperspirants, hair styling aids spray).</p>	<p align="center">Class 9</p>
<p align="center">Handwash Laundry Detergents of all types including concentrates. Fabric Softeners of all types including fabric softener sheets. Other Household Cleaning Products (fabric cleaners, soft surface cleaners, carpet cleaners). Machine Wash Laundry Detergents (liquids, powders, tablets, etc.) including laundry bleaches and concentrates. Hand Dishwashing Detergent including concentrates. Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish). Diapers. Shampoos for Pets. Dry Cleaning Kits. Toilet seat wipes.</p>	<p align="center">Class 10</p>
<p align="center">All non-skin contact or incidental skin contact. Including: Air Fresheners and Fragrancing of all types (concentrated aerosol air fresheners, pug-ins, solid substrate, membrane delivery, electrical, pot pourri, powders, fragrancing sachets, incense, liquid refills, air freshening crystals). Air Delivery Systems. Animal Sprays. Candles. Cat Litter. Deodorizers/Maskers Not Intended for Skin Contact (e.g. fabric dyeing machine deodorizers, carpet powders). Floor wax. Fragranced lamp ring. Fuels. Infused socks. Insecticides (e.g. mosquito coil, paper, electrical, for clothing). Joss Sticks or incense Sticks. Machine Dishwash Detergent and Deodorizers.</p>	<p align="center">Class 11</p>



**SAFETY DATA SHEET
FRAGONIA OIL AUSTRALIA**

REVISION: 03.03.2016

Machine Only Laundry Detergent (e.g. liquitabs). Odoured Distilled Water (that can be added to steam irons). Paints. Plastic articles (excluding toys). Reed diffusers. Scratch and Sniff. Scent pack. Scent delivery system (using dry air technology). Shoe Polishes. Toilet Blocks. Treated Textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics, tights with moisturizers).	
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REACH STATEMENT

MATERIAL	FRAGONIA OIL
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MADAR Corporation Ltd, hereby certifies that the above product manufactured/imported below 1 tonne per annum threshold and therefore out of the scope of REACH (1907/2006/EC) regulation registration requirements (Article 6.1).

Date: 28th August 2018

FRAGONIA OIL

1 Identification of the substance/mixture and of the company/undertaking

1.1 Trade Name: FRAGONIA OIL

1.2 Biological Definition: Volatile oil obtained by the steam distillation of the terminal branches of the Australian shrub *Agonis fragrans* (Fam. Myrtaceae).

1.3 INCI Name: Agonis Fragrans Branch/Leaf Oil

Synonyms & Trade Names: Oil of Agonis fragrans.

CAS No: 934621-96-2

EC No: Not ascribed.

EINECS No: Not ascribed.

1.4 Manufacturer/Supplier:

MADAR Corporation Limited

19-20 Sandleheath Industrial Estate

Fordingbridge

SP6 1PA

1.5 Approved Sellers: Mystic Moments, New Directions, World of Moulds

1.6 Emergency Telephone Number: 01425 653574

2 Hazards Identification

Classification (EC 1272/2008): Not evaluated

Label in Accordance with (EC) No. 1272/2008:



Signal Word	Hazardous.
Contains	Pinenes, myrcene, limonene, p-cymene, 1,8-cineole, linalool, terpinen-4-ol, alpha-terpineol, myrtenol, geraniol, nerol.
Hazard Statements	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.
Precautionary Statements	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Supplementary Precautionary Statements	P391 Collect Spillage.
PBT or vPvB According to Annex XIII	No.
Adverse Physio-chemical Properties	Combustible but should not self-ignite.
Adverse Effects on Human Health	Repeated skin contact may produce sensitisation.

FRAGONIA OIL

3 Composition/Information on Ingredients

22% to 27% alpha-Pinenes CAS: 80-56-8 UN-GHS: ATO 5(3700), SCI 2, SS 1
 25% to 33% 1,8-Cineole CAS: 470-82-6 UN-GHS: ATO 5(2480); SCI 3
 10% to 13% Linalool CAS: 78-70-6 UN-GHS: ATO 5(3000), EDI 2A, EH A3, SCI 2
 5% to 8% alpha-Terpineol CAS: 98-55-5 UN-GHS: ATO 5(4300); SCI 2; EDI 2A

4 First Aid Measures

General Information	See categories below.
Inhalation	Remove from exposure area to fresh air. Contact a Doctor if necessary.
Ingestion	Wash mouth out with water and obtain medical advice immediately.
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
Eye Contact	Flush with plenty of water and seek medical advice if necessary.

5 Firefighting Measures

Extinguishing Media	Use CO ₂ , Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Fire Fighting Procedures	Wear protective clothing. Avoid inhalation of vapours.
Specific Hazards	None.
Protective Measures in Fire	Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6 Accidental Release Measures

Personal Precautions	Maintain good occupational and personal hygiene. Avoid contact with skin and eyes.
Environmental Precautions	Do not discharge directly into drains or soil. Keep away from surface and ground water.
Spill Clean-up Methods	Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

7 Handling and Storage

Usage Precautions	Apply good manufacturing practice and industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
Storage Precautions	Store in tightly closed original container, in a cool, dry and ventilated area away from heat sources and protected from light. Keep air contact to a minimum.

8 Exposure Controls/Personal Protection

Protective Equipment	If required wear goggles, gloves, overalls.
Engineering Measures	Ensure good ventilation of working area.
Respiratory Equipment	Ensure good ventilation of working area.

FRAGONIA OIL

Hand Protection	Avoid all skin contact. Use chemically resistant gloves if required.
Eye Protection	Use safety glasses.
Other Protection	As required.
Hygiene Measures	As required.

9 Physical and Chemical Properties

Appearance	Liquid
Colour	Pale Yellow
Odour	Fresh, cineolic odour with spicy, sweet-balsamic undertone.
Relative Density	0.850 – 0.950 @ 20°C
Flash Point (°C)	46
Refractive Index	1.450 – 1.490 @ 20°C
Melting Point (°C)	Not determined.
Boiling Point (°C)	Not given.
Vapour Pressure	Not determined.
Solubility in Water @ 20°C	Insoluble.
Auto-ignition Temperature (°C)	Not determined.

10 Stability and Reactivity

Stability	It presents no significant reactivity hazards, by itself or in contact with water.
Conditions to Avoid	Avoid temperatures above 25°C
Materials to Avoid	Avoid contact with strong acids, alkalis and oxidising agents.
Hazardous Decomposition Products	Liable to cause smoke and acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

11 Toxicological Information

Acute Toxicity	Acute oral toxicity orl-rat: <5g/kg – Suppliers information.
Skin Corrosion/Irritation	Not determined – skin irritation may occur on prolonged or repeated contact.
Serious Eye Damage/Irritation	Irritation may occur.
Respiratory or Skin Sensitisation	May cause skin sensitisation by repeated contact.
Germ Cell Mutagenicity	Not determined.
Carcinogenicity	Not determined.
Reproductive Toxicity	Not determined. Not expected to be reprotoxic.
STOT-single Exposure	Data not found.
STOT-repeated Exposure	Data not found.
Aspiration Hazard	Repeated or prolonged exposure to vapour presents possible aspiration hazard.
Photo-toxicity	Not photo-toxic.
Other Information	None

12 Ecological Information

Ecotoxicity	Not determined.
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FRAGONIA OIL

Mobility	Not known.
Persistence & Biodegradability	Not known.
Bioaccumulation Potential	Not known.
PBT Assessment Results	None.
Precautions	Do not discharge into the environment, especially not into waterways, sewers and the sea.

13 Disposal Considerations

Disposal Methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
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14 Transport Information

Warning Icon	
Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID
UN No. Road	UN 1169
ADR Class	Class 3
Hazard No (ADR)	30
Hazchem Code	3YE
UN No. SEA	UN 1169
IMDG Class	Class 3
IMDG Pack Gr.	Pk Gp III
EMS	F-E, S-D
UN No. AIR	UN 1169
Air Class	Class 3
Air Pack Gr.	Pk Gp III

15 Regulatory Information

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation (EEC) 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, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.
Guidance Notes	Workplace Exposure Limits EH40, CHIP for everyone HSG 108.

FRAGONIA OIL

16 Other Information

Revision Date	03/2016
Rev No/Repl, SDS Generated	1
Risk Phrases in Full	R10 Flammable. R22 Harmful if swallowed. R38 Irritating to skin. R65 Harmful may cause lung damage if swallowed.
Hazard Statements in Full	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.
Other information	Complies with REACH guidance for SDS as circulated by ECHA 2011

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Date: 15/05/2015

TECHNICAL DATA SHEET

PRODUCT NAME: FRAGONIA OIL

Appearance: Liquid colourless to pale yellow
Odour: Characteristic, fresh cineolic odour, with slight spicy cinnamon tonality and sweet balsamic undertones
INCI Name: Agonis Fragrans Branch / Leaf oil

CAS Number: 934621-96-2 EC Number: N/A

DESCRIPTION

Volatile oil obtained by the steam distillation of the terminal branches of the *Australian shrub Agonis fragrans (Fam. Myrtaceae)*.

PHYSICO-CHEMICAL CHARACTERISTICS

Specific Gravity @ 20°C	: 0.850 – 0.950	(electronicdensimeter DMA4500)
Refractive Index @ 20°C	: 1.450 – 1.490	(electronicrefractometer PTR2INDEXINSTRUMENTSLtd)
Optical rotation	: +10 to +14	(electronicpolarimeter POLARTRONIC-EA21627SCHMIDT+HAENSCH)
Flashpoint(standard data)	: 46C°	(Method ATSM D6450 Grabner Instruments Miniflash CCA-FLP closed cup)

CHROMATOGRAPHIC CHARACTERISTICS(GLC)

α –PINENE	: 22.0 – 28.5%
LIMONENE	: 2.3 – 2.5%
PARA- CYMENE	: 1.5 – 2.9%
1.8 – CINEOLE	: 23.5 – 33.0%
LINALOOL	: 10.0 – 13.0%
TERPINENE-4-OL	: 3.2 – 4.3%
α –TERPINEOL	: 5.0 – 8.0%
MYRTENOL	: 3.0 – 5.0%

CONSERVATION AND STORAGE

To be stored at ambient temperature, in a dry place in tightly - closed containers preferably full. Protect from light. When stored for more than 24 months , quality should be checked before use.

The information contained in this data sheet is to the best of our knowledge, including the data supplied by our suppliers, current at the mentioned date. It is given in good faith. It does not exempt the user on any account from the knowledge and the respect of its activity regulation. The precautions needed in the use of the product are on its own responsibility.



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VEGETARIAN & VEGAN SUITABILITY STATEMENT

MATERIAL	FRAGONIA OIL
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We declare that the essential oil mentioned above is free of:

Meat (red meat, poultry, seafood and the flesh of any animal), and by-products of animal slaughter.

Therefore, can be used for vegetarian and vegan suitability.

This information is valid when issued by MADAR Corporation Ltd. The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. We will not therefore accept liability for misuse of the data resulting in damage or loss.