<u>CERTIFICATE OF ANALYSIS</u> ORGANIC WINTERGREEN OIL

Product Code:	OCWINT
Batch No:	4442803
Expiry Date:	August 2024

Appearance @ 20°C:Clear, colourless to pale yellow liquidOdour:Powerful, Medicinal, Camphorated

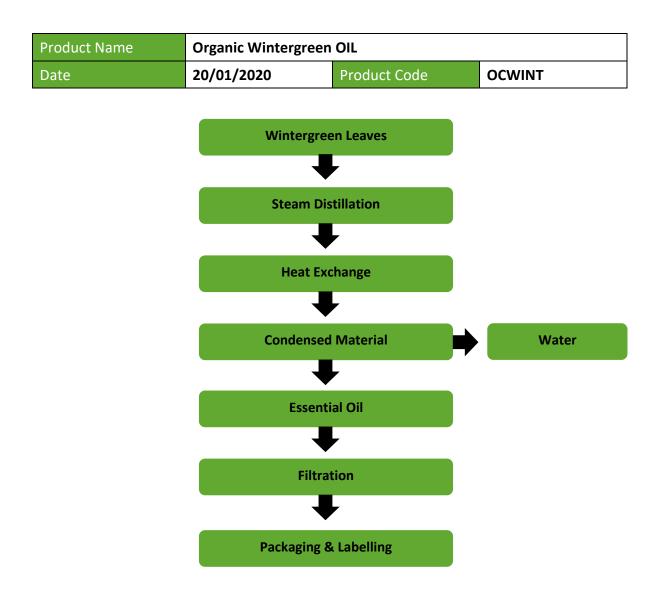
TEST	SPECIFICATION	ANALYSIS
Specific Gravity @ 20°C	1.160 - 1.193	1.180
Refractive Index @ 20°C	1.533 – 1.538	1.533
Salycylate Content (%)	98.0 minimum	99.5

This COA is produced electronically therefore no signature is required.

Product N	Name	Organic Wintergreen Oil			
INCI Nam	ne	Gaultheria Procum	bens Leaf Oil		
Date 17/01/2020 Product Code		OCWINT	Revision	2	
		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	-	
	B	ENZYL CINNAMATE	103-41-3	-	
		BENZYL SALICYLATE	118-58-1	-	
	BUTYLPHENYLI	METHYLPROPIONAL	80-54-6	-	
CINNAMAL		104-55-2	-		
CINNAMYL ALCOHOL		INNAMYL ALCOHOL	104-54-1	-	
CITRAL		CITRAL	5392-40-5	-	
CITRONELLOL		CITRONELLOL	106-22-9	-	
		COUMARIN	91-64-5	-	
		EUGENOL	97-53-0	-	
	EVERNIA FUF	RFURACEA EXTRACT	90028-67-4	-	
	EVERNIA P	RUNASTRI EXTRACT	90028-68-5	-	
		FARNESOL	4602-84-0	-	
		GERANIOL	106-24-1	-	
		HEXYL CINNAMAL	101-86-0	-	
HYDROXYCITRONELLAL		DROXYCITRONELLAL	107-75-5	-	
	HYDROXYISOHEX	YL 3-CYCLOHEXENE	31906-04-4	-	
		ISO EUGENOL	97-54-1	-	
		LIMONENE	5989-27-5	-	
		LINALOOL	78-70-6	-	
	ME	THYL 2-OCTYNOATE	111-12-6	-	

Nil Allergens

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Product Name	Organic Wintergreen Oil			
INCI Name	Gaultheria procumbens			
Product Code	OCWINT			
Revision No	1 Date 23-03-2021			

Restricted Component	CAS	% Level in Product	IFRA Standard
NONE	-	-	-

We certify that the above compound is in compliance with the Standards of the International Fragrance Association (IFRA 49TH Amendment published June 25); provided it is used in the following class(es) at a maximum concentration level of the above.

Flavour use consideration - Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavouring ingredient as defined by the IOFI Code of Practice (www.iofi.org). For more details see chapter 1 of the Guidance for the use of IFRA Standards.

IFRA class(es) [see annex for details]	Max level of use (%)
Category 1	Not restricted
Category 2	Not restricted
Category 3	Not restricted
Category 4	Not restricted
Category 5A	Not restricted
Category 5B	Not restricted
Category 5C	Not restricted
Category 5D	Not restricted
Category 6	Not restricted
Category 7A	Not restricted
Category 7B	Not restricted
Category 8	Not restricted
Category 9	Not restricted
Category 10A	Not restricted
Category 10B	Not restricted
Category 11A	Not restricted
Category 11B	Not restricted
Category 12	Not restricted

For other kinds of application or use at higher concentration levels, a new evaluation may be needed.

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.

Note 1: It is recommended that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution.

Note 2: Trials must be performed to satisfy suitability for specified application.

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ANNEX: Definition of IFRA Classes

Finished product types	IFRA Category	Flavour Use	Phototoxicity
Lip products of all types (solid and liquid lipsticks, balms, clear and coloured, etc.) Children's Toys	1	Yes	Applicable (Leave-on Products)
Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-up, under-arm, deo-cologne, etc.). Body sprays (including mist).	2	No	Applicable (Leave-on Products)
Eye products of all types (eye-shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturiser. Face make-up and foundation. Make-up remover for face and eyes. Nose pore strips. Wipes refreshing tissues for face, neck, hands, body. Body and face paint (for children and adults). Facial masks for face and around the eyes.	3	No	Applicable (Leave-on Products)
Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau De Toilette, Parfum, Cologne, Solid Perfume, Fragrancing Cream, Aftershaves of all types etc.) Fragranced Bracelets. Ingredients of perfume kits and fragrance mixtures for cosmetic kits. Scent pads, foil packs. Scent strips for hydroalcoholic products.	4	No	Applicable (Leave-on Products)
Body Creams, oils, lotions of all types. Foot care products (creams and powders). Insect repellent (intended to be applied to skin). All powders and talc (excluding baby powders and talc).	5A	No	Applicable (Leave-on Products)
Facial toner. Facial Moisturisers and creams.	5B	No	Applicable (Leave-on Products)
(women's facial creams) Hand cream. Nail care products including cuticle creams, etc. Hand sanitisers.	5C	No	Applicable (Leave-on Products)
Baby cream/lotion, baby oil, baby powders and talc.	5D	No	Applicable (Leave-on Products)
Toothpaste. Mouthwash, including breath sprays. Toothpowder, strips, mouthwash tablets.	6	Yes	Applicable (Leave-on Products)
Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse off hair dyes	7A	No	Applicable (Leave-on Products)
Hair sprays of all types (pumps, aerosol sprays, etc). Hair styling aids non-spray (mousse, gels, leave-on conditioners). Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes. Shampoo – Dy (waterless shampoo). Hair deodoriser.	7В	No	Applicable (Leave-on Products)
Intimate wipes. Tampons. Baby Wipes. Toilet paper (wet).	8	No	Applicable (Leave-on Products)
Bar soap. Shampoo of all types. Cleanser for face (rinse-off). Conditioner (rinse-off) Liquid soap. Body washes and shower gels of all types. Baby wash, bath, shampoo. Bath gel foams, mousses, salts, oils, and other	9	No	Applicable (Rinse-off Products)

	-	Т	1
products added to bath water. Foot care products (feet are placed in bath for soaking). Shaving creams of all types (stick, gel, foams, etc.). All depilatories (including facial) and waxes for mechanical hair removal. Shampoo for pets.			
Hand wash laundry detergent (including concentrates). Laundry pre- treatment of all types (e.g. paste, sprays, sticks). Hand dishwashing detergent (including concentrates). Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.). Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates. Dry cleaning kits. Toilet seat wipes. Fabric softeners of all types including fabric softener sheets. Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes spray and wipe, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treatment with fragrances after wash, deodorisers for textiles or fabrics). Floor wax. Fragranced oil for lamp ring, reed diffusers, pot-purri, liquid refills for air fresheners (non-cartridge systems), etc. Ironing water (odourised distilled water).	10A	No	Applicable (Rinse-off Products)
Animal sprays – sprays applied to animals of all types. Air fresheners sprays, manual, including aerosol and pump. Aerosol spray insecticides.	10B	No	Applicable (Rinse-off Products)
Feminine hygiene conventional pads, liners, interlabial pads. Diapers (baby and adult). Adult incontinence pant, pad. Toilet paper (dry).	11A	No	NotApllicable(leave-onproductswithoutUVexposure)
Tights with moisturisers. Scented cocks, gloves. Facial tissues (dry tissues). Napkins. Paper Towels. Wheat bags. Facial masks (paper/protective) e.g. surgical masks used as medical device. Fertilisers, solid (pellet or powder).	11B	No	Applicable (Leave-on Products)
Candles of all types (including encased). Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods). Automated air fresheners and Fragrancing of all types (concentrated aerosol with metred doses (range 0.05 – 0.5 ml/spray) plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals. Air delivery systems. Cat litter. Cell phone cases. Deodorisers/maskers not intended for skin contact (e.g. fabric drying machine deodorisers and carpet powders). Fuels. Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays. Joss sticks or incense sticks. Dishwasher detergent and deodorisers – for machine wash. Olfactive board games. Paints. Plastic articles (excluding toys). Scratch and sniff. Scent pack. Scent delivery system (using dry air technology). Show polishes. Rim blocks (Toile).	12	No	Not Apllicable (Non- skin contact products)

The table was prepared with the intention to cover the vast majority of the products; however, it may not cover some specific applications. In this case other classes may be attributed based on a specific risk assessment.

Document Date:

May 2019

STATEMENT

We hereby certify that **Organic Wintergreen** 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.

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

1.1	Product Identifie	er					
Product Name			Wintergreen Oi	Wintergreen Oil Organic.			
Biological Definition					l is the volatile oi theria procumbens	l obtained from the <i>L., Ericaceae</i> .	
INCI	Name		Gaultheria Proc	umbens Leaf Oil.			
Syno	nyms & Trade Nam	ies	Gaultheria Oil, ⁻	Teaberry Oil, Met	hyl Salicylate.		
CAS-N	No	90045-28-6	EC No.	289-888-0	EINECS No.	289-888-0	
1.2	Relative identifi	ed uses of the su	bstance or mixt	ure and uses ad	lvised against		
	Suitable for Cosm	etic, Flavour, Fragr	ance and Professi	ional use only.			
1.3	Details of the su	pplier of the safe	ety data sheet				
MADAR Corporation Limited 19-20 Sandleheath Industrial Estate Fordingbridge Hampshire SP6 1PA							
1.4	Emergency Tel.	No.	+ 44 (0) 142	5 655555			

02. HAZARD IDENTIFICATION

2.1 Classification of the substance or mi	xture				
The full text for all Hazard Statements ar	e displayed in Section 16.				
Classification (EC 1272/2008)					
Physical hazards:					
 Not classified. 					
Health hazards:					
- Acute Tox. 4 - H302					
Environmental hazards;					
 Not classified. 					
2.2 Label Elements					
Label in accordance with (EC) No 1272/2008	Label in accordance with (EC) No 1272/2008				
Signal Word	Warning.				
Contains	Methyl Salicylate				
Hazard Statements					

H302 - Harmful if swallowed.					
Precautionary Statements	Precautionary Statements				
P301/P312 - IF SWALLOWED - Call a POISON CENTER/doctor if you feel unwell. P330 - Rinse mouth.					
	ance with local, state or national legislation.				
Supplementary Precautionary Statements					
P264 - Wash hands and exposed skin thoroughly after handling.					
2.3 Other Hazards					
PBT or vPvB according to Annex XIII No additional data available.					
Adverse physio-chemical properties No additional data available.					
Adverse effects on human health No additional data available.					

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

>99% Methyl Salicylate

CAS: 119-36-8

Classification (EC 1272/2008) Acute Tox. 4 - H302

04. FIRST AID MEASURES

4.1 Description of first aid measures					
Inhalation	Remove from exposure area to fresh air. Get medical advice/attention.				
Ingestion	Do not induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Get medical advice/attention.				
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if any discomfort continues.				
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical advice/attention. Continue to rinse.				
4.2 Most important symptoms and effects, both acute and delayed					
No additio	No additional data available.				
4.3 Indication	4.3 Indication of any immediate medical attention and special treatment needed				
Treat symp	Treat symptomatically.				

05. FIRE-FIGHTING MEASURES

5.1	Extinguishing Media	
	Extinguish with the following media:	
	- carbon dioxide,	
	- dry chemical powder	
	- foam.	
	Unsuitable extinguishing media:	
	- do not use water jet as an extinguisher, as this may scatter and spread fire	

5.2	Special hazards arising from the product	
	Hazardous combustion products: During fire, toxic gases (CO, CO2) are formed.	
5.3	5.3 Advice for firefighters	
	Protective equipment for fire-fighters: Wear full protective clothing.	

06. ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures
	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes.
6.2	Environmental Precautions
	Avoid discharge into water courses or onto the ground.
6.3	Methods and material for containment and cleaning up.
	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
6.4	Reference to other sections
	See sections 4, 7, 8 & 13.

07. HANDLING AND STORAGE

7.1	Precautions for safe handling	
Avoid contact with skin and eyes. Keep away from heat, sparks and open flame. Do not ingest or app the skin as such, remove contaminated clothing - good personal washing routines should be followed risk of contamination, foods, beverages and other articles of consumption must not be stored or consu at the work areas.		
7.2	Conditions for safe storage, including any incompatibilities	
	Store in tightly closed original containers, in a cool, dry area away from heat sources and protected from light. Keep air contact to a minimum.	
7.3	Specific end use(s)	
	No additional data available.	

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters	
	No additional data available.	
8.2	Exposure controls	
Prote	ective Equipment	
Proce	ess Conditions Provide eyewash station and safety shower.	

Engineering Measures	Provide adequate ventilation or respiratory protection.
Respiratory Equipment	Generally unnecessary in a well-ventilated area.
	If ventilation is insufficient, respiratory protection must be worn.
Hand Protection	Wear suitable protective gloves that are resistant to chemical agents in accordance with
	standard EN374.
Eye Protection	Wear safety goggles in accordance with standard EN166.
Other Protection	Use personal protective equipment that is clean and has been properly maintained.
	Store personal protective equipment in a clean place, away from the work area.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with
	chemicals / oils.
Personal Protection	Avoid inhalation and contact with skin and eyes.
Skin Protection	Avoid skin contact. Wear suitable protective clothing.
Environmental Exposure	Avoid discharging into drainage water. Only eliminate by authorised companies.
Controls	

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties		
Appearance	Liquid.	
Colour	Colourless to pale yellow.	
Odour	Characteristic.	
Relative Density	Approx. 1.177 @ 20°C	
Flash Point (°C)	96	
Refractive Index	Approx. 1.536 @ 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	Insoluble.	
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 hazards. Stable under normal temperature conditions and recommended use.	
10.2	2 Chemical stability	
	Stable under the recommended handling and storage conditions in section 7.	
10.3	3 Possible hazardous reactions	
	Not expected under normal conditions of use.	
10.4	Conditions to Avoid	

	Avoid exposure to high temperatures or direct sunlight.
10.5	Incompatible materials
	Avoid contact with strong acids, alkalis or oxidising agents.
10.6	Hazardous Decomposition Products
	No additional data available.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects		
Acute Toxicity	Harmful if swallowed.	
Skin corrosion / irritation	Not classified.	
Serious eye damage / irritation	Not classified.	
Respiratory or skin sensitisation	Not classified.	
Germ Cell Mutagenicity	Not classified.	
Carcinogenicity	Not classified.	
Reproductive toxicity	Not classified.	
STOT-single exposure	Not classified.	
STOT-repeated exposure	Not classified.	
Aspiration hazard	Not classified.	
Photo-toxicity	No additional data available.	
Other Information	No additional data available.	

12. ECOLOGICAL INFORMATION

12.1	Toxicity
	Not classified.
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	Results of PBT and vPvB Assessment
	No additional data available.
12.6	Other adverse effects
	No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	
[Do not pour into drains or waterways. Dispose of in compliance with all local and national regulations.	

14. TRANSPORT INFORMATION

14.1	UN number				
	UN No. Road	Not regulated for transport.			
	UN No. SEA	Not regulated for transport.			
	UN No. AIR	Not regulated for transport.			
14.2	UN proper shipping name				
	Not applicable - The product is not covered by international regulations on the transport of dangerous goods. (IMDG, IATA, ADR/RID).				
14.3	Transport hazard class(es)				
	Not applicable.				
14.4	Packing group				
	Not applicable.				
14.5	Environmental hazards				
	Not an environmentally hazardous substance/marine pollutant for transport.				
14.6	Special precautions for user				
	See sections 6 – 8.				
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC code				
	Not applicable.				

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).

Guidance Notes

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

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 (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, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard Statements in Full	H302 - Harmful if swallowed.	
Revision Date	20/01/2020	

Rev No	2

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Product Name	Organic Wintergreen Oil					
Date 17/01/2020	Product Code	OCWINT	Rev	2		
Description	Gaultheria Procumbens Leaf Oil is the volatile oil obtained from the leaves of the					
	Wintergreen, Gaultheria procumbens L., Ericaceae					
Appearance	Liquid, Colourless – Pale Yellow					
Odour	Characteristic					
Origin Nepal						
INCI Name	Gaultheria Procumbens Leaf Oil					
CAS Number	90045-28-6	EC Number	289-88	38-0		

TEST SPECIFICATION

Analytical Test	Specification Range
Specific Gravity @ 20°C (g/ml)	1.160 – 1.193
Refractive Index @ 20°C	1.533 – 1.538
Methyl Salicylate (%)	98.0 Minimum

STORAGE

Store in a cool, dry, well-ventilated place. Keep away from heat and sunlight.

STABILITY

If stored for twenty-four months, check quality of product 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.

Document Date: May 2019

STATEMENT

We hereby certify that Organic Wintergreen Oil is suitable for vegans and vegetarians