

Last analysis

Echantillon enregistré le 15 juillet 2019

Dossier : 2019-A092

Rapport d'essai

Référence échantillon Client :

Huile essentielle d'Immortelle

Référence échantillon :

P244 JV

Conditions chromatographiques :

GCMS/FID Shimadzu QP2010S

Chromatographie sur colonne apolaire : SLB-5ms, 50m 0.25mm 0.25µm

0,3 µl de 1/10 dans l'hexane - Split 1/1000 - He 25 cm/sec- Gradient : 50°C → 2°C/mn → 280°C

Calculs selon le procédé de normalisation

TREADSHIRE LIMITED
Roastino House
170 The Marlowes
HP1 1BA Hemel Hempstead
Company N° 6318988
VAT N° : GB 979 643 845



00 44 1442 261 745

Composants de l'échantillon P244 déterminés sur colonne apolaire	t _R (mn)	%	Composants de l'échantillon P244 déterminés sur colonne apolaire	t _R (mn)	%
1 2-Méthyle-2-Heptène	9,03	0,23	43 Tiglate de Cis-3-Hexène-1-yle	39,02	0,01
2 2-Méthyle-3-Pentanone	10,53	0,28	44 2-Uncécanone	39,86	0,08
3 Cis-3-Hexène-1ol	11,20	0,04	45 n-Tridécane	40,42	0,17
4 Hexanol	11,77	0,07	46 4-Hydroxy-3-Methylacetophenone	40,81	0,06
5 Nonane	13,53	0,03	47 Acétate de terpinyle	43,73	0,03
6 Bornylène	13,91	0,03	48 Acétate de néryle	44,64	33,33
7 Alpha-Pinène	15,59	1,75	49 Isoitalicène	45,80	0,86
8 Alpha-Fenchène	16,38	0,33	50 n-Tétradécane	46,66	0,02
9 Camphène	16,49	0,15	51 Italicène	47,60	2,98
10 Béta-Pinène	18,22	0,53	52 Cis-Alpha-Bergamotène	48,19	0,57
11 6-Méthyle-5-Heptène-2-one	18,57	0,02	53 BétaTrans-Caryophyllène	48,62	0,25
12 Béta-Myrcène	19,01	0,14	54 Trans-Alpha-Bergamotène	49,51	0,39
13 Oxyde de Trans-Anhydrolinalol	19,10	0,04	55 Italidione I M210	49,60	3,48
14 Acétate de Cis-3-Hexène-1-yle	19,91	0,10	56 Propanoate de néryle	50,32	5,61
15 Oxyde de Cis-Anhydrolinalol	20,07	0,02	57 E-Béta-Farnésène	50,64	0,36
16 Acétate d'hexyle	20,34	0,03	58 Alpha-Humulène	50,76	0,08
17 Alpha-Terpinène	20,76	0,10	59 Alpha-Acoradiène	51,39	0,32
18 Para-Méthyle-Anisole	20,85	0,02	60 Béta-Acoradiène	51,56	0,35
19 Para-Cymène	21,24	0,32	61 Gamma-Curcumène	52,20	9,57
20 Limonène	21,58	3,58	62 Alpha-Curcumène	52,34	4,86
21 1,8-Cinéole	21,73	0,35	63 Italidione II M224 (Stéréoisomère)	52,62	1,85
22 Cis-Béta-Ocimène	22,11	0,03	64 Béta-Bisabolène	53,98	0,37
23 Trans-Béta-Ocimène	22,83	0,18	65 Béta-Curcumène	54,13	0,46
24 Angélate d'isobutyle	22,99	0,13	66 Béta-Sesquiphellandrène + Delta-Cadinène	54,93	0,15
25 Gamma-Terpinène	23,62	0,38	67 Gamma-Trans-Bisabolène	55,39	0,06
26 2-Nonanone	25,73	0,30	68 Italicène éther	55,61	0,18
27 2,4-Diméthyle-3,5-Heptanedione	26,08	0,18	69 Trans-Alpha-Bisabolène	55,97	0,09
28 Linalol	26,36	1,79	70 Nérolidol	57,11	0,11
29 Nonanal + Isovalérate d'isoamyle	26,63	0,13	71 2-Méthyle-Butyrate de néryle	57,84	0,61
30 Fenchol	27,43	0,04	72 Italidione III M238 (Stéréoisomère)	58,18	0,91
31 Angélate d'isoamyle	30,14	0,44	73 Isovalérate de néryle	58,23	0,52
32 Néroloxyde	30,25	0,37	74 Italidione III M238 (Stéréoisomère)	58,26	0,57
33 Bornéol	31,13	0,06	75 Guaïol	59,35	0,95
34 1-Terpinène-4-ol	31,94	0,39	76 Rosfoliol	60,03	2,33
35 4,6-Diméthyl-octane-3,5-Dione	32,47	0,64	77 Tiglate de néryle	60,70	0,30
36 Alpha-Terpinéol	32,83	0,40	78 Gamma-Eudesmol	61,34	0,30
37 Décanal	33,78	0,03	79 Béta-Eudesmol	62,42	0,59
38 Nérol	35,40	5,34	80 Alpa-Eudesmol	62,59	0,54
39 Néral	36,24	0,08	81 Béta-Bisabolol	63,33	0,28
40 Géraniol	37,15	0,11	82 Alpha-Bisabolol	64,10	0,07
41 Acétate de linalyle	37,32	0,04			
42 Géraniol	38,25	0,07			
			% des intégrations des composants identifiés sur la totalité des intégrations du chromatogramme		93,85

Representative last analysis (others visible online)

MATERIAL SAFETY DATA SHEET

HELICHRYSUM ITALICUM E.O

1. Chemical Product and Company Identification

Commercial Name: HELICHRYSUM ITALICUM

Origin : Plants from Corsica (distilled in France for Treadshire Ltd)

Plant part : Aeral Buds

INCI Name : *HELICHRYSUM ITALICUM*

CE Number: 33301 29 91 00

Company:

TREADSHIRE LIMITED

170 MARLOWES HERTS

HP1 1BA HEMEL HEMPSTEAD

HERTS UK



2. Composition Information

Main ingredients: HELICHRYSUM ITALICUM ESSENTIAL OIL

- **Alpha pinene:** CAS #: 80-56-8, N, Xn, R43, R50/53, R65 <2%
- D-Limonene: CAS #: 5989-27-5, N, Xi, R10, R38, R43, R50/53, <5%
- Nerol: CAS #: 106-25-2, Xi, R38, <6%
- Cineol 1,8 (Eucalyptol): CAS #: 470-82-6, R10, <3%
- Gamma Terpinene: CAS #: 99-85-4, Xn, R65, < 1%
- Linalol: CAS #: 78-70-6, Xi, R38, < 3%
- Beta Pinene: CAS #: 127-91-3, N, Xn, R43, R50/53, R65, < 1%

Allergens (according to Cosmetic

Directive 2003/15/EC):

D-Limonene (<5%), Linalol (<3%)

Substances with Limit Values for

Professional Exposure:

Not regulated

Toxicological Data: LD50 Oral [Rat]: >5,000 mg/kg

LD50 Dermal [Rabbit]: > 3,000 mg/kg

CAS TSCA #: 8023-95-8

CAS EINECS #: 90045-56-0

EINECS (EC) #: 289-918-2

CoE #: 225n

Hazardous Components: according to IATA and ICAO (Annex 18) Regulations it is proven **not** to be a danger for air transport.

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3. Hazards Identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS08

Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.



GHS02

Flam. Liq. 3 - H226 Flammable liquid and vapour.



GHS07

Acute Tox. 4 - H302 Harmful if swallowed.
Skin Irrit. 2 - H315 Causes skin irritation.
Skin Sens. 1 - H317 May cause an allergic skin reaction.



GHS09

Aquatic Acute 1 - H400 Very toxic to aquatic life.
Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.

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HELICHRYSUM ITALICUM E.O

• Classification according to Directive 67/548/EEC or Directive 1999/45/EC



R 10

Flammable.

R 38

Irritating to skin.

R 43

May cause sensitisation by skin contact.

R 50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65

Harmful: may cause lung damage if swallowed.



Always consult your doctor / Dermatologist before using Helichrysum Italicum or any other Essential oil

• Information concerning particular hazards for human and environment:

R 10 Flammable.

R 38 Irritating to skin.

R 43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

• GHS label elements

H304 May be fatal if swallowed and enters airways.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

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• Prevention :

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P403+P235 Store in a well-ventilated place. Keep cool.

P501a Dispose of contents/container in accordance with local/regional/national/international regulations.

4. First Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15minutes. Get medical attention.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

5. Fire and Explosion Data

Flammability of the Product: Combustible.

Auto-Ignition Temperature: Not available.

Flash Points: 69 DG Celcius

Flammable Limits: Not available.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

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LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: When heated to decomposition it emits acrid smoke and irritating fumes.

Special Remarks on Explosion Hazards: Not available.

6. Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill: Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. Handling and Storage

Precautions: Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Sensitive to light. Store in light-resistant containers.

8. Exposure Controls/Personal Protection

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection: Splash goggles. Lab coat.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

9. Physical and Chemical Properties

Physical State: Liquid

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HELICHRYSUM ITALICUM E.O

Color: Clear, pale yellow

Odor: Characteristic, aromatic

Density: 0.880 to 0.920

Refractive Index @ 20°C : 1.460-1.475

Optical Rotation @ 20°C : -20 ° - +10 °

Viscosity: Not Available

Auto Ignition Temperature: Not Available

Flash Point: >61°C

Boiling Point: Not determined

Melting Point: N/A

Solubility in Water: Insoluble

10. Stability and Reactivity Data

Stability: Stable under normal conditions of use

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Sensitive to light.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

11. Toxicological Information

Routes of Entry: Absorbed through skin. eye contact.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: Causes eye irritation. May cause loss of corneal epithelium, corneal infiltration, release of pigment into the anterior chamber with deposits on the back of the cornea. Inhalation: May cause respiratory tract irritation. Ingestion: May cause gastrointestinal tract irritation. May affect behavior/central nervous system (mild stimulation followed by depression, twitching, spastic convulsions, ataxia), and respiration (slowed respiration).

Other symptoms may include atrial fibrillation, muscle pain, cooling sensation, burning sensation. Chronic

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Potential Health

Effects: Skin: Prolonged or repeated skin contact may cause allergic dermatitis. Ingestion: Prolonged or repeated ingestion may affect the urinary system and brain.

12. Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

13. Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport Information

Procedures: Store in tightly sealed aluminums or metals bottles in cool, dry Area do not expose to temperatures above 65 Degrees Celsius.

15. Spill ,Leakage ,Disposal Procedures

Small spills wipe up with paper rags and place contaminated.

Items in closed bottles use nonflammable absorbent

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.