

CERTIFICATE OF ANALYSIS

Organic Essential Oil of Tea Tree from South Africa
100% pure and natural

Botanical name :	<i>Melaleuca alternifolia (Maiden & Betche) Cheel</i>
Commercial name :	Organic Tea Tree
Batch number :	2300484
Geographical origin :	South Africa
Production date :	January 2023

Physical and chemical data :

	Standards	Results of analysis
Appearance	Fluid liquid	Conform
Colour	Colourless to greenish yellow	Conform
Odour	Aromatic, warm, woody	Conform
Specific gravity at 20°C	0.880 to 0.910	0,8960
Refractive index at 20°C	1.475 to 1.485	1,4760
Optical rotation at 20°C	-5° to +15°	+9,10°
Flash point	+55°C to +59°C	

Table of components (1) :

Components	Contents
Isobuyraldehyde	0.04%
2-Methyl butanal	0.02%
Ethanol	0.02%
Alpha-pinene	2.15%
Alpha-thujene	1.10%
Beta-pinene	0.74%
Sabinene	0.96%
Beta-myrcene	0.93%
Alpha-phellandrene	0.49%
Alpha-terpinene	10.01%
Limonene	1.35%
Beta-phellandrene	0.91%
Cineole-1,8 (Eucalyptol)	6.51%
Gamma-terpinene	20.12%
Para-cymene	1.26%
Alpha-terpinolene	3.63%
Cis-3-hexenyl Acetate	0.02%
Cis-3-hexenol	0.04%
Alpha-p-dimethylstyrene	0.03%
Alpha-cubebene	0.04%
Hydrate de trans-sabinene	0.10%

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Table of components (2) :

Components	Contents
Isobuyraldehyde	0.04%
Isoledene	0.05%
Guaia-6,9-diene	0.05%
Alpha-copaene	0.11%
Alpha-gurjunene	0.29%
Linalool	0.05%
Cis-sabinene Hydrate	0.22%
Beta-maaliene	0.02%
Trans-para-menth-2-en-1-ol	0.33%
Terpinene-4-ol	37.48%
Trans-beta-caryophyllene	0.25%
Sesquiterpene	0.21%
Aromadendrene	0.78%
Cis-eudesma-6,11-diene	0.07%
Cis-para-menth-2-en-1-ol	0.26%
Trans-muurolo-3,5-diene	0.11%
Alloaromadendrene	0.38%
Gamma-gurjunene	0.03%
Trans-cadina-1(6),4-diene	0.28%
Delta-terpineol	0.03%
Cis-piperitol	0.08%
Alpha-humulene	0.06%
Neral	0.04%
Alpha-terpineol	3.17%
Delta-selinene	0.09%
Ledene	0.75%
Cis-muurolo-4(14),5-diene	0.07%
Alpha-muurolole	0.17%
Alpha-selinene	0.06%
Bicyclogermacrene	0.94%
Delta-cadinene	1.08%
Gamma-cadinene	0.01%
Trans-cadina-1,4-diene	0.15%
Nerol	0.02%
Trans-calamenene	0.09%

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Table of components (3) :

Components	Contents
Palustrol	0.03%
Trans-muurool-5-en-4-beta-ol	0.01%
Methyleugenol	0.02%
Maaliol	0.02%
Epi-globulol	0.06%
Gleenol	0.02%
Ledol	0.03%
Cubeban-11-ol	0.11%
1,10-di-epi-cubenol	0.16%
Trans-ascaridol Glycol	0.04%
Globulol	0.23%
Viridiflorol	0.11%
Rosifoliol	0.06%
Beta-eudesmol	0.10%
Spathulenol	0.04%
Alpha-muurolol	0.03%
Isospathulenol	0.04%
TOTAL	99.36%