

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 :	2200426
Geographical origin :	South Africa
Production date :	January 2022

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	1.4770
Optical rotation at 20°C	-5° to +15°	+9.72°
Flash point	+55°C to +59°C	

Table of components (1) :

Components	Contents
Alpha-thuyene	0.86%
Alpha-pinene	2.31%
Camphene	0.01%
Sabinene	0.92%
Beta-pinene	0.73%
Myrcene	0.84%
Alpha-phellandrene	0.41%
Alpha-terpinene	10.70%
Para-cymene	1.14%
Limonene	0.98%
Beta-phellandrene	0.85%
Cineole-1.8 (Eucalyptol)	3.42%
Z-Beta-Ocimene	0.01%
Gamma-terpinene	20.87%
Sabinene Cis-Hydrate	0.07%
Terpinolene	3.63%
Linalool	0.03%
Sabinene Trans-Hyrate	0.19%
Cis-para-menth-2-ene-1-ol	0.37%
Trans-para-menth-2-ene-1-ol	0.25%
Terpinene-4-ol	40.51%

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Table of components (2) :

Components	Contents
Alpha-terpineol	2.82%
Bicycloelemene	0.20%
Alpha-cubebene	0.05%
Isodene	0.05%
Sesquiterpenic Hydrocarbure M=204	0.13%
Sesquiterpenic Hydrocarbure M=204	0.02%
Beta-elemene	0.04%
Sesquiterpenic Hydrocarbure M=204	0.02%
Alpha-gurjunene	0.28%
Beta-caryophyllene	0.31%
Sesquiterpenic Hydrocarbure M=204	0.04%
Sesquiterpenic Hydrocarbure M=204	0.04%
Aromadendrene	0.85%
Sesquiterpenic Hydrocarbure M=204	0.10%
Cis-muurolo-3.5-diene	0.15%
Alpha-humulene	0.08%
Allo-aromadendrene	0.38%
Trans-cadina-1(6).4-diene	0.29%
Gamma-muurolole	0.07%
Delta-selinene	0.09%
Viridiflorene	0.82%
Trans-muurolo-4(14).5-diene	0.08%
Bicyclgermacrene	0.99%
Sesquiterpenic Hydrocarbure M=204	0.02%
Gamma-cadinene	0.01%
Delta-cadinene	1.00%
Zonarene + Cis-calamenene	0.29%
Trans-cadina-1.4-diene	0.17%
Sesquiterpene oxygene M=220	0.03%
Sesquiterpene oxygene M=222	0.07%
Palustrol	0.07%
Spathulenol	0.05%
Caryophyllene Oxide + Sesquiterpene oxygene M=222	0.28%
Viridiflorol + Sesquiterpene oxygene M=222	0.25%
Rosifoliol	0.07%

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Table of components (3) :

Components	Contents
10-Epi-gamma-eudesmol	0.11%
1-Epi-cubenol	0.21%
Sesquiterpene oxygene M=220	0.03%
Epi-Alpha-cadinol	0.10%
Alpha-muurolol	0.04%
TOTAL	99.80%