

CERTIFICATE OF ANALYSIS

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

Botanical name : *Melaleuca alternifolia (Maiden & Betche) Cheel*
 Commercial name : Organic Tea Tree
 Batch number : **2100342**
 Geographical origin : South Africa
 Production date : May 2021

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	0.8940
Refractive index at 20°C	1.475 to 1.485	1.4770
Optical rotation at 20°C	-5° to +15°	+9.89°
Flash point	+55°C to +59°C	

Table of components (1) :

Components	Contents
α -thujene	0.86%
α -pinene	2.25%
Sabinene	0.66%
β -pinene	0.73%
Myrcene	0.84%
α -phellandrene	0.32%
α -terpinene	10.20%
Para-cymene	0.78%
Limonene	0.95%
β -phellandrene	0.69%
Cineole-1,8 : Eucalyptol	3.35%
γ -terpinene	20.47%
Cis-hydrate de sabinene	0.16%
Terpinolene	3.51%
Linalool	0.04%
Sabinene Trans-Hydrate	0.49%
Cis-para-menth-2-ene-1-ol	0.67%
Trans-para-menth-2-ene-1-ol	0.45%
Terpinene-4-ol	39.95%
α -terpineol	2.92%
Trans-piperitol	0.19%

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Table of components (2) :

Components	Contents
Bicycloelemene	0.18%
α -cubebene	0.05%
Sesquiterpenic Hydrocarbure MW 204	0.05%
α -copaene	0.14%
β -elemene	0.06%
Sesquiterpenic Hydrocarbure MW 204	0.02%
Methyleugenol	0.01%
α -gurjunene	0.29%
β -caryophyllene	0.33%
Sesquiterpenic Hydrocarbure MW 204	0.04%
Sesquiterpenic Hydrocarbure MW 204	0.05%
Aromadendrene	0.90%
Sesquiterpenic Hydrocarbure MW 204	0.11%
Cis-muurolo-3,5-diene	0.19%
α -humulene	0.09%
Allo-aromadendrene	0.43%
Trans-cadina-1(6),4-diene	0.31%
γ -muurolene	0.07%
δ -selinene	0.09%
Viridiflorene	0.87%
Trans-muurolo-4(14),5-diene	0.14%
Bicyclgermacrene	1.60%
Sesquiterpenic Hydrocarbure MW 204	0.03%
γ -cadinene	0.02%
δ -cadinene	1.12%
Zonarene + Cis-calamenene	0.29%
Trans-cadina-1,4-diene	0.19%
Sesquiterpene oxygene	0.04%
Sesquiterpene oxygene	0.1%
Palustrol	0.08%
Spathulenol	0.06%
Caryophyllene Oxide	0.02%
Viridiflorol	0.35%
Globulol	0.32%
Rosifoliol	0.09%

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Table of components (3) :

Components	Contents
10-Epi- γ -eudesmol	0.14%
1-Epi-cubenol	0.25%
Epi- α -cadinol	0.14%
α -muurolol	0.05%
TOTAL	99.79%