

Certificate of Analysis

Product: Tea Tree Oil (Australia) - Certified Organic ACO/USDA
 Botanical Name: *Melaleuca alternifolia*
 Origin: Australia
 Plant part used: Leaves and lateral branches
 Extraction method: Steam Distillation

Physical data	Specification²	Result
Appearance:	Clear, mobile liquid	Complies
Colour:	Colourless to pale yellow	Complies
Odour:	Characteristic: warm, spicy, myristic	Complies
Specific Gravity @ 20°C:	0.8850 to 0.9060	0.8915
Refractive Index @ 20°C:	1.4750 to 1.4820	1.4756
Optical Rotation:	+ 5.00 ⁰ to + 15.00 ⁰	+8.45 ⁰

Chromatographic Profile

Sample	Component	Peak Area¹ (%)	Result Peak Area¹ (%)
<i>Melaleuca alternifolia</i>	a-Pinene	1 to 6	2.80
	Sabinene	Trace to 3.5	0.03
	a-Terpinene	5 to 13	10.75
	p-Cymene	0.5 to 12	3.66
	Limonene	0.5 to 4	1.65
	1,8-Cineole	Max 5	3.47
	g-Terpinene	10 to 28	22.64
	Terpinolene	1.5 to 5	3.89
	Terpinen-4-ol	Min 30	38.19
	a-Terpineol	1.5 to 8	2.58
	Aromadendrene	Trace to 3	1.09
	d-Cadinene	Trace to 3	0.71
	Globulol	Trace to 1	0.16
	Viridiflorol	Trace to 1.5	0.15