

Essence-Organic Pty. Ltd.

CERTIFICATE OF ANALYSIS

Product: Tea Tree Oil

INCI Name: Melaleuca Alternifolia (Tea Tree) Leaf Oil

Parameter	Method	Unit	Specification	Result
Refractive Index @ 20 ° C	ISO 280:1998		1.4750 – 1.4820	1.478
Specific Gravity @ 20 ° C	ISO 279:1998		0.885 – 0.906	0.892
Solubility @ 20 ° C			1 vol.soluble in 2 vols. 85% v/v ethanol	0.80
Optical Rotation	ISO 592:1998		+5.0 - + 15.0	+9.92
Gas chromatograph	AS5027:2002	a-Pinene	1 - 6	2.3
		sabinene	Trace – 3.5	0.80
		a-terpinene	5 - 13	8.9
		1,8-cineole	Max. 5	1.8
		p-cymene	0.5 - 12	2.4
		g-terpinene	10 - 28	19.5
		Terpinolene	1.5 - 5	3.3
		Terpinen-4-ol	Min 30	39.9
		a-terpineol	1.5 - 8	2.9
		aromadendrene	Trace – 3	1.6
		Cadinene	Trace – 3	1.5
		Globulol	Trace – 1	0.20
		Viridiflorol	Trace – 1.5	0.20

Quality Assurance Manager

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