

## Certificate of Analysis - Tea Tree Oil, Australian

<b>Reference Name</b>	Tea Tree Australia
<b>CAS:</b>	
<b>Botanical Species:</b>	

ID	FID%
THUJENE<ALPHA->	0.87%
PINENE<ALPHA->	2.52%
SABINENE	0.27%
PINENE<BETA->	0.74%
MYRCENE	0.87%
PHELLANDRENE<ALPHA->	0.63%
TERPINENE<ALPHA->	10.25%
CYMENE<PARA->	1.76%
CARENE<DELTA-3->	2.16%
CINEOLE <1,8->	3.70%
TERPINENE<GAMMA->	20.94%
TERPINOLENE	3.58%
MENTH-2-EN-1-OL<CIS-PARA->	0.12%
TERPINEN-4-OL	39.06%
TERPINEOL<ALPHA->	2.54%
ISOLEDENE	0.09%
COPAENE<ALPHA->	0.13%
GURJUNENE<ALPHA->	0.42%
CARYOPHYLLENE<BETA->	0.42%
SELINENE<7-EPI-ALPHA->	0.09%
AROMADENDRENE	1.37%
EUDESMA-6,11-DIENE<CIS->	0.17%
MUUROLA-3,5-DIENE<TRANS->	0.18%
HUMULENE<ALPHA->	0.09%
AROMADENDRENE<ALLO->	0.58%
CADINA-1(6),4-DIENE<TRANS->	0.41%
SELINENE <BETA->	0.09%
SELINENE<DELTA->	0.13%
VIRIDIFLORENE	1.19%
MUUROLENE<ALPHA->	0.14%
CADINENE<DELTA->	1.11%
EPIZONARENE	0.24%
CADINA-1,4-DIENE<TRANS->	0.16%
SPATHULENOL	0.03%
GLOBULOL	0.19%
VIRIDIFLOROL	0.09%
CUBENOL<1-EPI->	0.09%

The sample was analyzed with simultaneous MS and FID detection. Components were analyzed by MS while percentages were determined by the more accurate FID. The sample composition was that expected for natural oil of *Melaleuca alternifolia* from Australia. No adulteration or contamination was detected.