

Basic Information

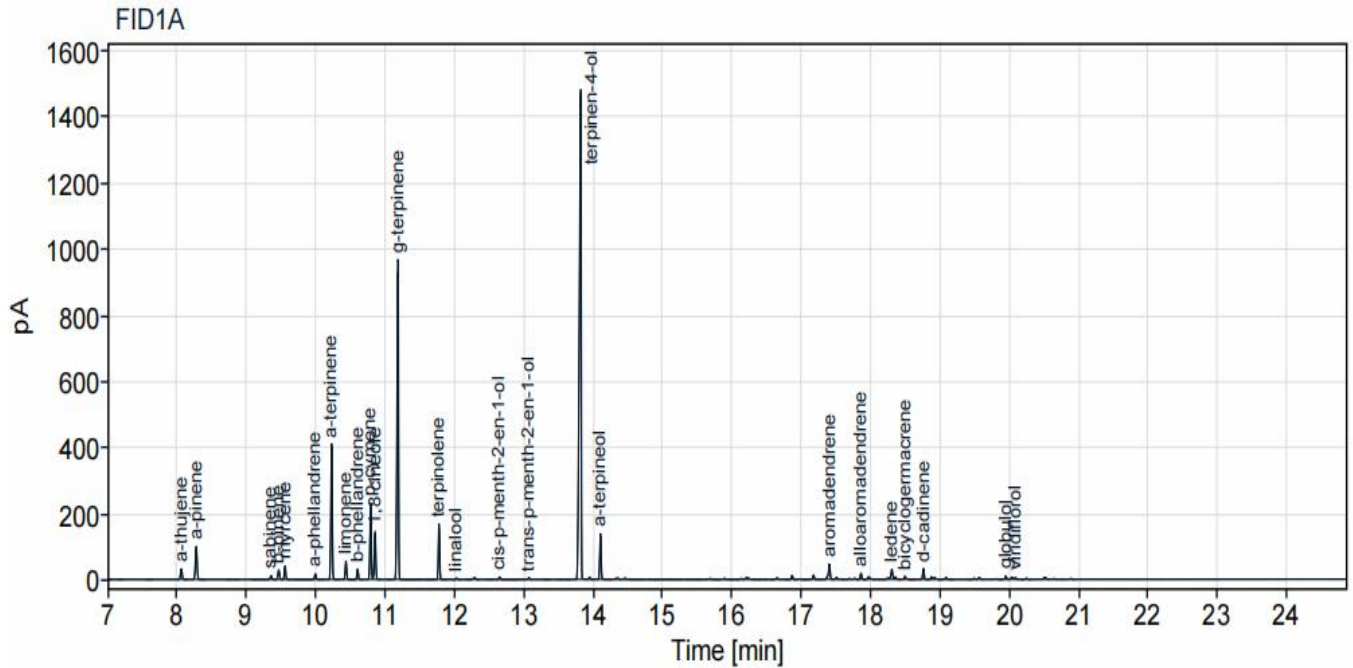
Sample Name: **Organic Tea Tree Essential Oil**
Lot No: **QC09360503**
Brand: HIQILI
Origin: **Australian**
Extraction Process: **Steam Distillation**
Test Equipment: Gas Chromatography-Mass Spectrometer (GC-MS)
Test Standard: **ISO 4730:2017 International Standard for Tea Tree Oil**
Test Date: July 23, 2026
Test Institution: Jinyunli (Guangdong) Biotechnology Laboratory

Quantitative Analysis of Main Volatile Compounds

Compliant with ISO 4730:2017 specification for Tea Tree oil, Unit: mass percentage %

No.	Name of characteristics	CAS NO.	Mass percentage/%	Technical indicators
1	Terpinen-4-ol	562-74-3	40.6	35.0~48.0
2	γ-Terpinene	99-85-4	20.9	14.0~28.0
3	α-Terpinene	99-86-5	8.6	5.0~13.0
4	p-Cymene	99-87-6	4.6	0.5~8.0
5	1,8-Cineole / Eucalyptol	470-82-6	3.2	≤15.0
6	α-Terpineol	98-55-5	2.8	1.8~8.0
7	Limonene	138-86-3	1.1	0.5~5.0
8	α-Pinene	80-56-8	2.5	1.0~6.0
9	Sabinene	3387-41-5	0.2	0.1~3.0
10	Terpinolene	586-62-9	3.3	2.0~6.0
11	Aromadendrene	489-39-4	1.2	0.5~3.0

Test Chart:



Name	RT [min]	Area	Peak Area Percent
a-thujene	8.052	51.1434	0.7729
a-pinene	8.267	168.4847	2.5464
sabinene	9.345	16.1842	0.2446
b-pinene	9.456	44.9258	0.6790
myrcene	9.547	55.4114	0.8375
a-phellandrene	9.983	23.7354	0.3587
a-terpinene	10.219	568.3565	8.5898
limonene	10.425	74.6445	1.1281
b-phellandrene	10.593	43.5639	0.6584
p-cymene	10.781	305.1727	4.6122
1,8 cineole	10.844	211.4631	3.1959
g-terpinene	11.174	1383.9767	20.9166
terpinolene	11.767	217.1155	3.2813
linalool	12.020	4.8412	0.0732

Name	RT [min]	Area	Peak Area Percent
cis-p-menth-2-en-1-ol	12.639	10.8750	0.1644
trans-p-menth-2-en-1-ol	13.062	7.0633	0.1068
terpinen-4-ol	13.807	2685.9069	40.5931
a-terpineol	14.094	185.1432	2.7981
aromadendrene	17.394	81.8400	1.2369
alloaromadendrene	17.849	26.1999	0.3960
ledene	18.294	52.0061	0.7860
bicyclogermacrene	18.484	14.9808	0.2264
d-cadinene	18.750	47.0388	0.7109
globulol	19.937	14.4895	0.2190
viridiflorol	20.077	7.5597	0.1143
	Sum	6302.1223	95.25

Spectrum Qualitative Conclusion

All characteristic compound contents of submitted Tea Tree oil fully meet requirements of ISO 4730:2017 Tea Tree Oil. The sample is pure natural steam-distilled Tea Tree essential oil without adulteration or synthetic additives, compliant with export specifications for cosmetic, aromatherapy and daily chemical raw materials.