



## CERTIFICATE OF ANALYSIS

**Product** : Tea Tree Oil FG  
**Grade** : EO-51  
**Mfg. Date** : March 2020  
**Re- Test Date** : March 2023

Test	ISO 4730** Specification	Result	Test Method
Appearance	Clear, mobile without visible water	Conforms	ARL-TM266-3
Colour	Colourless to pale yellow	Conforms	
Odour	Characteristic	Conforms	
Relative Density @ 20°C	0.885 – 0.906	0.892	Ph.Eur.2.2.5
Refractive Index @ 20°C	1.475 – 1.482	1.4774	Ph.Eur.2.2.6
Optical Rotation @ 20°C	+7* - +12*	+09.14 <sup>0</sup>	Ph.Eur.2.2.7
Miscibility In ethanol	< 2 Volumes	0.6	ISO875

Test	ISO 4730** Specification	Result	Test Method
	<b>Area%</b>		
α –Pinene	1.0 – 4.0	2.51	ARL-TM101-3*
Sabinene	Tr – 3.5	0.16	
α-terpinene	6.0 – 12.0	9.52	
Limonene	0.5 – 1.5	1.10	
P-cymene	0.5 – 8.0	2.22	
1,8-cineole	Tr – 10.0	3.69	
γ-terpinene	14.0 – 28.0	20.42	
α-terpinolene	1.5 – 5.0	3.56	
Terpinen-4-ol	35.0 – 48.0	39.11	
α-terpineol	2 – 5.0	2.97	
Aromadendrene	0.2 – 3.0	1.50	
Ledene	0.1– 3.0	1.10	
β-cadinene	0.2-3.0	1.16	
Globulol	tr – 1.0	0.30	
Viridiflorol	tr – 1.0	0.22	

Compiled by:  
 Date:

Quality Assurance Manager  
 Date:

Authorised by:  
 Date:

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