

## CERTIFICATE OF ANALYSIS

Product	Eucalyptus Smithii (Organic) Oil
Latin Name	Eucalyptus Smithii Oil
CAS No.	91771-68-5
Batch No.	ESC10446E
Manufacture Date	September 2021
Retest Date	September 2026
Country of Origin	South Africa
Part of Plant Used	Leaves (Steam Distilled)

Physical Analysis	Specification		Results	
Colour	Clear to Pale Yellow		Complies	
Odour	Herbal Cineolic Aroma		Complies	
Appearance	Liquid		Complies	
Chemical Analysis	Min Value	Max Value	Result	Conforms
Relative Density @ 20°C	0.905	0.925	0.9146	Pass
Refractive Index @ 20°C	1.458	1.470	1.4599	Pass
Optical Rotation	0	-10	+3.77	Pass
Assay by GC	NLT 70% Citronellal		Complies	

Major Constituent Listing		
Name of Constituents	Results %	Specification %
Isovaleraldehyde	0.881	0.3 to 0.6
Alpha Thujene	/	/
Alpha Pinene	7.036	2.8 to 14
Beta Pinene	0.371	0.3 to 0.7
Myrcene	0.342	0.1 to 0.7
Alpha Phellandrene	0.394	0 to 0.2
Alpha Terpinene	/	/
Para Cymene	1.802	0.7 to 2.8
Limonene	5.767	3.7 to 5.7
1.8 Cineole	79.371	75 to 85
Gamma Terpinene	0.579	0 to 0.2
Terpinolene	/	/

# Essentially Natural

Products with purpose.

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Linalool	0.104	/
Terpinen-4-OL	0.448	/
Alpha Terpineol	1.909	0.3 to 1.8
Eudesmol	0.281	0.3 to 1.1

<b>Storage</b>	Store in a cool dark place
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