



AETHERIAL OILS
3 Henry Street
Ottoway 5013
Adelaide
South Australia
TEL: +61 404 462203
aetherialoils@gmail.com
www.aetherialoils.com

TECHNICAL INFORMATION (SPEC SHEET)

Product Name	Kochii Eucalyptus Oil
Product description	Essential oil of <i>Eucalyptus kochii</i>
Extraction and processing method	Leaves harvested from plantation-grown <i>E. kochii</i> trees in Western Australia, then steam distilled. Distillate separated and settled.
Country of Origin	Australia
Description	Pale yellow clear liquid

Test	Kochii Eucalyptus Oil indicative analyses: range of all values since 2017
Specific gravity (20°C)	0.920 - 0.927
Refractive Index (20°C)	1.458 - 1.4602
Optical Rotation (20°C) (degrees)	0° to +2°
Miscibility in ethanol	Soluble in 1.5 to 2.0 vols of ethanol
GC analysis	(%)
α-pinene	0.3 - 1.6
sabinene	0 - 0.06
β-pinene	0.1 - 0.7
limonene	0.2 - 1.3
p-cymene	0.5 - 2.2
1,8-cineole	87.4 - 95.2
trans pinocarveol	0.1 - 0.4
terpinen-4-ol	0.2 - 0.9
α-terpineol	0.1 - 0.6
α-phellandrene	0 - 0.04
myrtenal	0 - 0.3
cryptone	0.1 - 0.3
cuminaldehyde	0.1 - 0.4
verbene	0.1 - 0.4
carvone	0.2 - 0.6
camphor	n.d.

Other natural aromatic terpenes are also present in smaller amounts

Similarly, some of the minor components are not detected/reported in every compositional GC analyses due to the low levels

Specifications may be updated from time to time.

In particular it is expected that the range of minor constituents will expand as more samples are conducted

Test method: GC with FID detection and GCMS confirmation, BP/ISO CoA, ARL-TM101-3, Southern Cross University, Lismore

Kochii Eucalyptus Oil generally closely matches the BP specification for eucalyptus oil, naturally and as an unrectified crude oil

Kochii Eucalyptus Oil does not necessarily conform with the BP specification since the oil is an unprocessed, unrectified natural product

However, 1,8-cineole levels are always exceeded regardless of whether the specification is for BP70 or BP80

Storage: Stainless steel, galvanised drum, suitable plastic, less than 25° C

Degradation factors: Oxygen, high temperature, light

Note that crude eucalyptus oil also naturally contains small amounts of dissolved water