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TECHNICAL INFORMATION (SPEC SHEET)

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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, then steam distilled. Distillate separated and settled.
Country of Origin	Australia
Description	Pale yellow clear liquid

Test	BP2016 spec, Eucalyptus Oil	Kochii Eucalyptus Oil: range of all values from analyses 2017 onward	Latest Certificate of Analysis (18 July 2019)
Specific gravity (20°C)	0.906 - 0.927	within BP spec	0.92, Complies
Refractive Index (20°C)	1.458 - 1.47	within BP spec	1.4595, Complies
Optical Rotation (20°C)	0° to +10°	0° to +2°, within BP spec	+0.54°, Complies
Miscibility in ethanol	Soluble in 5 vols of ethanol	Soluble in 1.5 vols of ethanol, within BP spec	not tested
GC analysis			
isovaleraldehyde		n.d.	
α-pinene	Less than 10%	0.3 - 1.6	Complies
sabinene	Less than 0.3%	0 - 0.04	Complies
β-pinene	Less than 1.5%	0.1 - 0.7	Complies
limonene	Less than 15%	0.2 - 1.3	Complies
p-cymene		0.5 - 2.1	
1,8-cineole	Not less than 70%	87.4 - 95.2	91.8%, Complies
trans pinocarveol		0.1 - 0.4	
terpinen-4-ol		0.2 - 0.9	
α-terpineol		0.1 - 0.6	
α-phellandrene	Less than 1.5%	0 - 0.04	Complies
myrtenal		0.1 - 0.3	
cryptone		0.1 - 0.3	
cuminaldehyde		0.1 - 0.4	
verbenone		0.1 - 0.4	
carvone		0.2 - 0.6	
camphor	Less than 0.1%	n.d.	Complies

Other natural aromatic terpenes present in similar or smaller amounts

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

Due to a rolling production system, Kochii Eucalyptus Oil operates a subsample analysis process, as reflected in this Spec Sheet

Certificates of analyses for individual drums can be arranged prior to sale

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

Specifications may be updated from time to time