



NHR ORGANIC OILS
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Certificate of Analysis & Gas Chromatography

Organic Buchu Essential Oil

(Agathosma betulina)

Botanical Name: Agathosma betulina (P.J. Bergius) Pillans (syn: Barosma betulina)
Commercial Name: Organic Bucchu
Batch Number: **220626-4**
Geographical Origin: South Africa

Physical and Chemical Data:

	Standards	Results of analysis
Appearance	Liquid	Conform
Colour	Pale yellow to slightly greenish	Conform
Odour	Powerful, characteristic	Conform
Relative Density at 20°C	0.890 to 0.960	0.9235
Refractive Index at 20°C	1.460 to 1.490	1.4735
Optical Rotation	-30° to 0°	-16.21°
Flash Point	> +60°C	

Table of Components:

Components	Contents
Alpha-thujene	0.02%
Alpha-pinene	1.34%
Camphene	0.03%
Sabinene	1.48%
Beta-pinene	0.41%
Myrcene	2.81%
Para-1,3-8-menthatriene	0.02%
Alpha-terpinene	0.06%
Para-cymene	0.02%
Limonene	21.56%
Beta-phellandrene	0.38%
Cineole-1,8 (Eucalyptol)	1.85%
Z-beta-ocimene	0.05%

E-beta-ocimene	0.91%
Gamma-terpinene	0.10%
Sabinene Cis-Hydrate	0.02%
Terpinolene	0.05%
Linalool	0.45%
Menthone	7.89%
Menthofuran	0.05%
Isomenthone	23.54%
Isopulegol	3.14%
Terpinene-4-ol	0.19%
Alpha-terpineol	0.10%
Pulegone	1.82%
2-Hydroxy-6-methyl-3-(1-Methylethyl)-2-Cyclohexene-1-one	13.23%
Diosphenol (Hydroxypiperitone)	14.91%
Cis-para-mentha-8-thiol-3-one	0.20%
Trans-para-mentha-8-thiol-3-one	1.83%
Methyleugenol	0.11%
TOTAL	98.57%