



NHR ORGANIC OILS
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Certificate of Analysis & Gas Chromatography **Organic Buchu Essential Oil** *(Agathosma betulina)*

Botanical name : <i>Agathosma betulina</i> (P.J. Bergius) Pillans (syn: <i>Barosma</i>)
Batch number : 231023-1
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
Specific gravity at 20°C	0.890 to 0.960	0.9233
Refractive index at 20°C	1.460 to 1.490	1.4739
Optical rotation at 20°C	-30° to 0°	-16.15°
Flash point	> +60°C	

Table of components :

Components	Contents
Alpha-thujene	0,04%
Alpha-pinene	1,30%
Camphene	0,02%
Sabinene	1,45%
Beta-pinene	0,39%
Myrcene	2,79%
Para-1,3,8-menthatriene	0,03%
Alpha-terpinene	0,06%
Para-cymene	0,03%
Limonene	21,51%
Beta-phellandrene	0,40%
Cineole-1,8 (Eucalyptol)	1,83%
Z-beta-ocimene	0,06%
E-beta-ocimene	0,93%
Gamma-terpinene	0,11%

Sabinene Cis-Hydrate	0,02%
Terpinolene	0,06%
Linalool	0,42%
Menthone	7,84%
Menthofuran	0,07%
Isomenthone	23,51%
Isopulegol	3,11%
Terpinene-4-ol	0,20%
Alpha-terpineol	0,12%
Pulegone	1,78%
2-Hydroxy-6-methyl-3-(1-Methylethyl)-2-Cyclohexene-1-one	13,18%
Diosphenol (Hydroxypiperitone)	14,83%
Cis-para-mentha-8-thiol-3-one	0,25%
Trans-para-mentha-8-thiol-3-one	1,78%
Methyleugenol	0,16%
TOTAL	98,28%