

## Certificate of Analysis

Product: Eucalyptus Peppermint Gum oil (South Africa)  
Botanical Name: *Eucalyptus dives ct piperitone*  
Origin: South Africa  
Plant Part used: Leaves and lateral branches  
Extraction: Steam distilled

<b>Physical data</b>	<b><u>Specification<sup>1</sup></u></b>	<b><u>Result</u></b>
Appearance:	Clear mobile liquid	Complies
Colour:	Colourless to Pale yellow/ light amber	Complies
Odour:	Typical, Fresh with peppermint notes	Complies
Specific Gravity at 20°C:	0.8900 to 0.9150	0.9043
Refractive index at 20°C:	1.4700 to 1.4890	1.4806
Optical Rotation:	-50.00 <sup>0</sup> to -75.00 <sup>0</sup>	-64.05 <sup>0</sup>

### Chromatographic Profile

<b>Sample</b>	<b>Component</b>	<b>Specification<sup>2</sup> Peak Area<sup>1</sup> (%)</b>	<b>Result Peak Area<sup>1</sup> (%)</b>
<i>Eucalyptus dives ct piperitone</i>	a-Phellandrene	Min 18.00	21.66
	Piperiton	Min 38.00	47.85