

Certificate of Analysis

Product: Fennel Sweet Oil (Australia)

Botanical Name: *Foeniculum vulgare dulce*

Origin: Australia

Plant part used: Seeds

Extraction method: Steam distilled

Physical data	<u>Specification</u>²	<u>Result</u>
Appearance:	Clear free flowing liquid	Complies
Colour:	Colourless to pale yellow	Complies
Odour:	Characteristic	Complies
Specific Gravity @ 20°C:	0.9450 to 0.9850	0.9790
Refractive Index @ 20°C:	1.5100 to 1.5530	1.5496
Optical Rotation:	+ 3.00 ⁰ to + 21.00 ⁰	+4.80 ⁰

Chromatographic Profile

Sample	Component	Specification² Peak Area¹ (%)	Result Peak Area¹ (%)
<i>Foeniculum vulgare dulce</i>	Fenchone	1 to 6	5.17
	Methyl chavicol (Estragole)	Trace to 6	2.79
	Anethole	70 to 95	87.66