

Certificate of Analysis

Product: Ginger Oil

Batch Number: 1000472

Code: EOGINGBULK

Botanical Name: *Zingiber officinale*

Extraction: Steam Distilled

Parameter Specification₁ Result

Appearance: Clear mobile liquid Complies

Colour: Pale yellow to yellow Complies

Odour: Characteristic Complies

Physio-chemical properties

Relative Density at 20 ° C: 0.8700 - 0.8900 0.8802

Refractive Index at 20 ° C: 1.4700 - 1.5100 1.4902

Optical Rotation: -20.00 ° to -47.00 ° -30.85°

Chromatographic	Component	Specification ₁ (%)	Result (%)
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Profile Sample

<i>Zingiber officinale</i>	a-pinene	Trace - 5	3.67
	Camphene	Trace – 10.5	7.48
	d-limonene	Trace - 10	1.51
	g-curcumene	2 - 15	9.48
	a-zingiberene	10 - 45	35.56
	ar-curcumene	2 - 25	12.53

NOTE (1) Version (27/10/2011) Doc#073

Computer generated document, released unsigned

Helen Gollan

Quality Assurance Manager