

Certificate of Analysis

Product: Ginger Oil - 100% Organic ACO/ USDA

Botanical Name: *Zingiber officinale*

Origin: Sri Lanka

Part of Plant: Root

Extraction: Steam distillation

Physical Data	Specification²	Result
Appearance:	Clear mobile liquid	Complies
Colour:	Light yellow to yellow/amber	Complies
Odour:	Characteristic, ginger herbaceous	Complies
Specific Gravity at 20°C:	0.8700 to 0.9150	0.8796
Refractive Index at 20°C:	1.4700 to 1.5100	1.4890
Optical Rotation:	-20.00 ⁰ to -47.00 ⁰	-32.40 ⁰

Chromatographic Profile

Sample	Component	Specification² Peak Area¹ (%)	Result Peak Area¹ (%)
<i>Zingiber officinale</i>	a-Pinene	Trace to 5	2.44
	Camphene	Trace to 10	5.76
	ar-Curcumene	5 to 20	8.17
	a-Zingiberene	Min 25	30.92
	b-Bisabolene	5 to 20	7.78