

Certificate of Analysis

Product: Lavender Oil (Bulgaria) - Certified Organic ACO
Botanical Name: *Lavandula angustifolia*
Origin: Bulgaria
Part of Plant: Flowering tops
Method of Extraction: Steam distilled

Physical data	Specification²	Result
Appearance:	Clear mobile liquid	Complies
Colour:	Colourless to pale straw yellow	Complies
Odour:	Characteristic camphoraceous	Complies
Specific Gravity @ 20°C:	0.8780 to 0.8950	0.8836
Refractive index @ 20°C:	1.4550 to 1.4660	1.4603
Optical Rotation:	-5.00 ⁰ to -12.50 ⁰	-6.30 ⁰

Chromatographic Profile

Sample	Component	Specification² Peak Area¹ (%)	Result Peak Area (%)
<i>Lavandula angustifolia</i>	trans-b-Ocimene	Max 7	6.22
	Linalool	20 to 45	23.71
	Camphor	Max 1.2	0.22
	Terpinen-4-ol	0.1 to 8.0	6.08
	a-Terpineol	Trace to 7	1.27
	Linalyl acetate	25 to 46	38.88
	Lavandulyl acetate	Trace to 7	5.07
	b-Caryophyllene	Trace to 6	2.85