

## Certificate of Analysis

Product: Melissa Oil - 100% Organic ACO/USDA  
Botanical Name: *Melissa officinalis*  
Origin: Hungary  
Plant Part used: Flowers and leaves  
Extraction: Steam distilled

<b>Physical data</b>	<b><u>Specification<sup>1</sup></u></b>	<b><u>Result</u></b>
Appearance:	Clear free flowing liquid	Complies
Colour:	Colourless to yellow/ golden	Complies
Odour:	Characteristic	Complies
Specific Gravity at 20°C:	0.8700 to 0.9500	0.9093
Refractive index at 20°C:	1.4550 to 1.5100	1.4902
Optical rotation:	+25.00 <sup>0</sup> to -25.00 <sup>0</sup>	-17.80 <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>Melissa officinalis</i>	Citronellal	Trace to 10	5.25
	Neral	10 to 25	13.08
	Geraniol	Trace to 10	0.76
	Geranial	10 to 35	18.20
	b-Caryophyllene	3 to 35	25.95