

## Certificate of Analysis

Product: Rose Otto Oil (Bulgaria)  
Botanical Name: *Rosa damascena.miller*  
Origin: Bulgaria  
Part of Plant: Flowers  
Method of Extraction: Steam distilled

### Physical data

### Specification<sup>2</sup>

### Result

Appearance: Clear to slight hazy free flowing liquid      Complies  
Colour: Pale to deep yellow      Complies  
Odour: Characteristic, typical of Bulgarian rose oil      Complies  
Specific Gravity at 20°C: 0.8480 to 0.8800      0.8552  
Refractive Index at 20°C: 1.4520 to 1.4700      1.4600  
Optical Rotation: -1.00<sup>0</sup> to -10.00<sup>0</sup>      -4.55<sup>0</sup>

### Chromatographic Profile

Sample	Component	Specification <sup>2</sup> Peak Area <sup>1</sup> (%)	Result Peak Area <sup>1</sup> (%)
<i>Rosa damascena.miller</i>	Phenylethyl alcohol	Trace to 5	0.55
	Nerol	Trace to 12	7.30
	Citronellol	18 to 38	19.03
	Geraniol	10 to 22	14.91