

Certificate of Analysis

Product: Geranium Oil (Egypt) - 100% Organic ACO/USDA
Botanical Name: *Pelargonium graveolens*
Origin: Egypt
Plant part used: Flowering plant
Extraction method: Steam distilled

Physical data	<u>Specification²</u>	<u>Result</u>
Appearance:	Clear, mobile liquid	Complies
Colour:	Pale to Mid- Yellow	Complies
Odour:	Characteristic, floral geranium	Complies
Specific Gravity at 20 ⁰ C:	0.8820 to 0.9100	0.8979
Refractive index at 20 ⁰ C:	1.4610 to 1.4700	1.4668
Optical Rotation:	-4.00 ⁰ to -14.00 ⁰	-9.75 ⁰

Chromatographic Profile

Sample	Component	Specification² Peak Area¹ (%)	Result Peak Area¹ (%)
<i>Pelargonium graveolens</i>	Linalool	2 to 15	4.27
	Menthone	Trace to 10	1.23
	Iso-Menthone	Trace to 10	5.36
	Citronellol	20 to 50	31.03
	Geraniol	10 to 23	15.07