

Certificate of Analysis

Product: Petitgrain Bigarade Oil (Egypt) - 100% Organic ACO/USDA
Botanical Name: *Citrus aurantium var. amara*
Origin: Egypt

Physical data	<u>Specification</u>	<u>Result</u>
Appearance:	Clear mobile liquid	Complies
Colour:	Pale yellow to amber	Complies
Odour:	Pleasant, fresh-floral, sweet, orange blossom, woody-herbaceous	Complies
Specific Gravity at 20°C:	0.880 to 0.920	0.885
Refractive Index at 20°C:	1.450 to 1.480	1.461
Optical Rotation at 20°C:	-6.0° to +6.0°	+0.5°

Chromatographic Profile

Component	Specification Peak Area (%)	Result Peak Area (%)
β-Myrcene	Trace to 3.0	2.1
d-Limonene	Trace to 8.0	6.2
Linalool	20.0 to 40.0	26.1
Linalyl acetate	30.0 to 60.0	43.4
Geranyl acetate	Trace to 5.0	3.1