

Certificate of Analysis

Product Name: Orange Essential Oil
Botanical Name: Citrus sinensis
INCI Name: Citrus Aurantium Dulcis (Orange) Peel Oil
CAS No.: 8008-57-9 / 8028-48-6
EINECS No.: 232-433-8
Extraction Method: Cold Pressed
Plant Part Used: Fresh Peel
Batch/Lot No.: BPCOEO102025
Expiry Date: April 2029
Country of Origin: Italy

Test Specification Result

Appearance: Clear yellow to orange liquid. Conforms
Odor Fresh, sweet, characteristic citrus aroma. Conforms
Specific Gravity (20°C) 0.842 – 0.850
Refractive Index (20°C) 1.470 – 1.476
Optical Rotation (20°C) +94° to +99°
Flash Point 46–50°C
Solubility: Soluble in alcohol; insoluble in water. Conforms

GC Profile

Constituent	Range (%)
d-Limonene	90.0 – 96.0
Myrcene	1.0 – 3.5
α-Pinene	0.2 – 1.0
Sabinene	0.2 – 1.0
Linalool	0.1 – 1.0
Decanal	0.1 – 0.5
Citral (Neral + Geranial)	0.05 – 0.3

Storage Conditions: Store in a cool, dry place away from heat & direct light

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