

CERTIFICATE OF ANALYSIS (COA)

Product Name	SPIKE LAVENDER ESSENTIAL OIL
Botanical Name	Lavandula latifolia
Product Code	PEO1147
CAS #	8016-78-2 ; 84837-04-7
FEMA #	3033
EINECS #	284-290-6
INCI Name	Lavandula Latifolia Herb Oil

Part Used	Flowers
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Middle to Top Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Colorless to pale yellow clear, mobile liquid	CONFORMS
Odour	Fresh, camphoraceous, sweet, floral-herbaceous aroma	CONFORMS
Refractive Index	1.460 - 1.468 @ 20°C	1.464
Specific Gravity (g/mL)	0.899 - 0.911 @ 20°C;	0.904
Optical Rotation (°)	-7° to +2°	CONFORMS
Solubility	Soluble in alcohols and fixed oils; Insoluble in water	CONFORMS

<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149	CONFORMS
Yeast and Mould	< 10 CFU/g	ISO 16212	CONFORMS
Candida albicans	ABSENT / 1g	ISO 18416	CONFORMS
Escherichia coli	ABSENT / 1g	ISO 21150	CONFORMS
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717	CONFORMS
Staphylococcus aureus	ABSENT / 1g	ISO 22718	CONFORMS

<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na	CONFORMS
Arsenic: As (mg/kg or ppm)	< 2 ppm	na	CONFORMS
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na	CONFORMS

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