

CERTIFICATE OF ANALYSIS (COA)

Product Name	JUNIPER BERRY ESSENTIAL OIL
Botanical Name	Juniperus communis
CAS #	8002-68-4 ; 84603-69-0
EINECS #	283-268-3
INCI Name	Juniperus Communis (Juniper) Berry Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULT</u>
Appearance	Colorless to pale yellow liquid	CONFORMS
Odour	Sweet, fresh, woody-green, slightly terpenic aroma	CONFORMS
Refractive Index	1.4500 to 1.4900 nD	1.468
Specific Gravity (g/mL)	0.8100 to 0.8900 g/cm ³	0.872
Optical Rotation (°)	-30° to +10°	CONFORMS
Solubility	Soluble in alcohols and fixed oils; Insoluble in water	CONFORMS

<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULT</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>RESULT</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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