

**CERTIFICATE OF ANALYSIS (COA)**

Product Name	HARSHINGAR (PARIJAT) ESSENTIAL OIL
Botanical Name	Nyctanthes arbor-tristis
CAS #	90064-34-9
EINECS #	290-096-2
INCI Name	Nyctanthes arbor-tristis Flower Oil

Part Used	Flowers
Extraction Method	Steam Distilled Essential Oil
Note Classification	Top to Middle Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULT</u>
Appearance	Pale yellow to orange colored liquid	CONFORMS
Odour	Fresh, floral, soft green, sweet-herbaceous aroma	CONFORMS
Refractive Index	1.480 - 1.520 @ 20°C	1.494
Specific Gravity (g/mL)	0.9600 – 1.0400 @ 20°C	0.9910
Optical Rotation	- 8° to +8°	CONFORMS
Flash Point	94.50°C	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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