

CERTIFICATE OF ANALYSIS (COA)

Product Name	ROSE WHITE OTTO (WHITE ROSE ESSENTIAL OIL)
Botanical Name	Rosa alba
CAS #	93334-48-6
EINECS #	297-122-1
INCI Name	Rosa Alba Flower Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULT</u>
Appearance	Colorless to pale yellow liquid	CONFORMS
Odour	Fresh, sweet, opulent, sweet creamy- honeyed rose odour	CONFORMS
Refractive Index	1.445 - 1.465 @ 20°C	1.454
Specific Gravity (g/mL)	0.845 - 0.875 @ 20°C	0.867
Optical Rotation (°)	-6° to -1°	
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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