

### CERTIFICATE OF ANALYSIS (COA)

Product Name	ROSE OTTO (BULGARIAN DAMASK ROSE ESSENTIAL OIL)
Botanical Name	Rosa damascena
CAS #	8007-01-0 ; 90106-38-0
EINECS #	290-260-3
INCI Name	Rosa Damascena 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>RESULTS</u>
Appearance	Colorless to pale yellow transparent liquid	CONFORMS
Odour	Sweet, fresh, ethereal, warm, rosy-floral odour	CONFORMS
Refractive Index	1.452 - 1.490 @ 20°C	1.477
Specific Gravity (g/mL)	0.840 - 0.900 @ 20°C	0.877
Optical Rotation (°)	-6° to +2°	CONFORMS
Solubility	Soluble in cosmetic esters 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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A-004, New Highway Park E-3 CHSL, Kandivali (E), Mumbai 400 101.  
Tel: +91 2870 1974 | 750689 1975 | Email: essentialoilsofindia@gmail.com | www.essentialoilsofindia.com