



**ATRIN**

Each drop has a unique mission

**CERTIFICATE OF ANALYSIS (COA)  
ROSE ESSENTIAL OIL**

**Manufacturing Date: 05-2025 | Expiry Date: 05-2027**

**BATCH NO.: EOI1007039**

**PRODUCT IDENTITY**

<b>Product Name</b>	Rose essential oil
<b>Material</b>	Flower
<b>Common Name</b>	Damask Rose
<b>Botanical Name</b>	<i>Rosa damascena</i>
<b>Extraction process</b>	Steam Distillation
<b>Preservative</b>	NIL
<b>Pesticides Residue</b>	Negative
<b>Appearance</b>	Pale yellow
<b>Solubility</b>	soluble in Oil
<b>Shelf Life</b>	2 years
<b>Storage</b>	Cool & Dark place
<b>Report No</b>	EOI1007041
<b>Batch Size</b>	50 Kg
<b>Extraction Solvent</b>	Distilled Water

**PHYSICAL & CHEMICAL CHARACTERISTIC**

Item	Results	Specification Method
<b>Appearance</b>	Conform	Mobile Liquid or less crystalized
<b>Odour</b>	Conform	Floral Rose
<b>Color</b>	Conform	yellow Color



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**ACTIVE COMPOUNDS TEST**

Item	Test Results	Unite	Method
<b>linalool</b>	1.64	%	GC-MS
<b>beta-Citronellol</b>	32.036	%	GC-MS
<b>Geraniol</b>	14.132	%	GC-MS
<b>Eugenol</b>	2.16	%	GC-MS
<b>Geranyl acetate</b>	1.909	%	GC-MS
<b>Methyleugenol</b>	3.818	%	GC-MS
<b>beta-Cubebene</b>	2.807	%	GC-MS
<b>Z-5-Nonadecene</b>	4.168	%	GC-MS
<b>n-Nonadecane</b>	11.202	%	GC-MS
<b>n-Heneicosane</b>	4.941	%	GC-MS
<b>Phenylethyl Alcohol</b>	1.286	%	GC-MS

**HEAVY METAL TEST**

Item	Specification	Method	Test Results
<b>Total Heavy Metals (ppm)</b>	NMT- 10 ppm	USP <730>	Complies
<b>a) Lead (Pb)</b>	NMT- 3.0 ppm	USP <730>	Complies
<b>b) Arsenic (As)</b>	NMT-1.0 ppm	USP <730>	Complies
<b>c) Cadmium (Cd)</b>	NMT-1.0 ppm	USP <730>	Complies
<b>d) Mercury (Hg)</b>	NMT- 0.5 ppm	USP <730>	Complies

**MICROBIOLOGICAL TEST**

Item	Specification	Method	Test Results
<b>Total plate</b>	count NMT-5000 Cfu/gm	Eur.Ph <2.6.12>	20 Cfu/g
<b>E.coli</b>	Absent	Eur.Ph <2.6.13>	Absent
<b>Salmonella</b>	Absent	Eur.Ph <2.6.13>	Absent
<b>Pseudomonas aeruginosa</b>	Absent	Eur.Ph <2.6.13>	Absent
<b>Staphylococcus aureus</b>	Absent	Eur.Ph <2.6.13>	Absent



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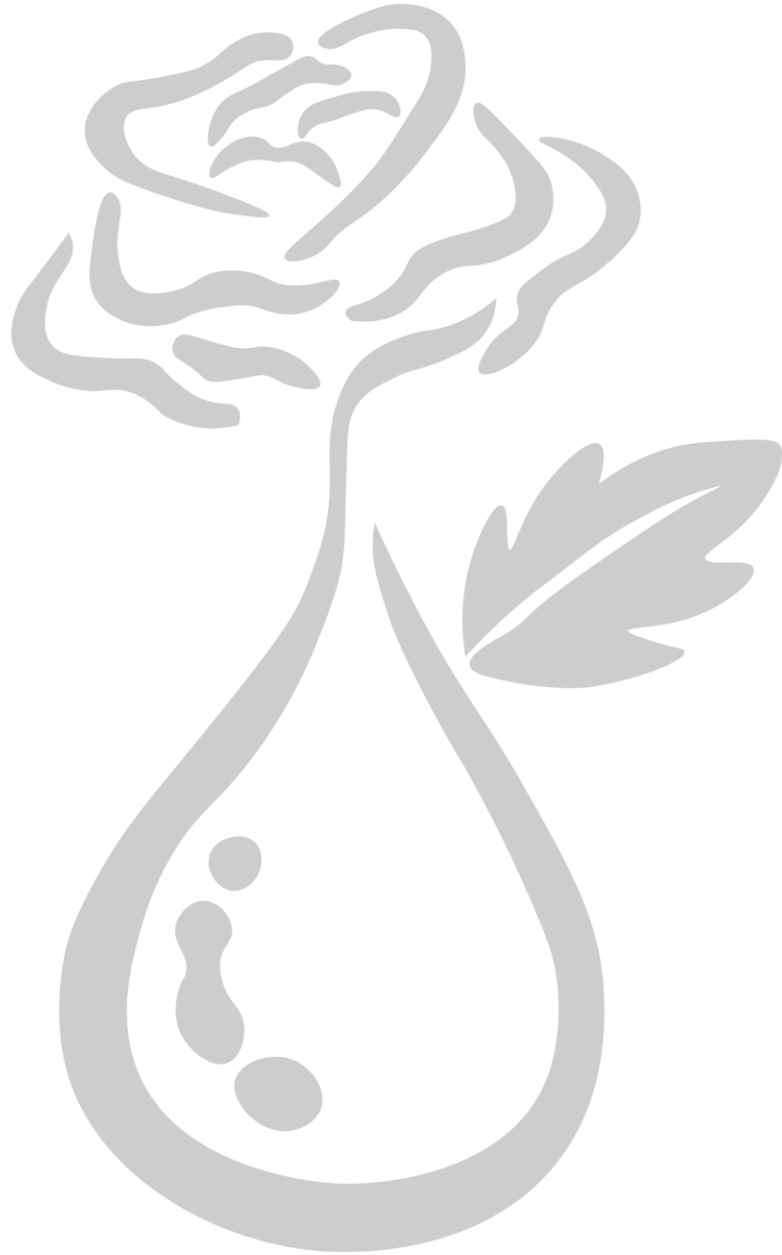
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<b>Yeast &amp; Mould counts</b>	<b>NMT-500 Cfug/gm</b>	<b>Eur.Ph &lt;2.6.12&gt;</b>	<b>Less than 10 Cfug/g</b>
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