CERTIFICATE OF ANALYSIS (COA)

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Premium Rose Absolute

DESCRIPTION	DETAILS
Product Name:	Premium Rose Absolute (Turkey)
Botanical name:	Rosa damascena miller
Cultivation Method:	Conventional
Type:	Essential Oil
Etraction Method:	Hydrodistilled
Plant Part:	Flowers
Use:	Aromatherapy, Natural Perfumery.

BATCH INFORMATION

DESCRIPTION	DETAILS
SKU	886
LOT #	12
MANUFACTURING DATE	March 2025
BEST BY DATE	March 2028

SPECIFICATIONS

PARAMETER	SPECIFICATIONS (Range)	RESULT
SPECIFIC GRAVITY @20°C	0.84 - 0.87	0.8639
REFRACTIVE INDEX @20°C	1.451 - 1.473	1.4616
OPTICAL ROTATION @20°C	na	na

PHYSICAL CHARACTERISTICS

PARAMETER	SPECIFICATION	RESULT
PHYSICAL APPEARANCE	Transparent liquid	Conforms
COLOR	Colorless to pale yellowish green	Conforms

ODOR	Sweet, rosy aroma with green and spicy notes.	Conforms
SOLUBILITY	Soluble in fixed oils; partially soluble in alcohol.	
SPECIAL USE INSTRUCTIONS	Dilute before use. This product may require very gentle warming to liquefy due to wax content.	

PRIMARY CONSTITUENTS

DESCRIPTION	DETAILS
PRIMARY CONSTITUENTS	Citronellol, Geraniol.

COMMENTS

DESCRIPTION	DETAILS
COMMENTS	Odor quality is excellent

GCMS ANALYSIS

CHROMATOGRAPHIC PROFILE

TR FID	Compound	% GC/FID
5.032	ethyl alcohol	0.78
6.265	aldehyde C5	0.06
6.717	isoamyl alcohol	0.05
6.780	1 butanol 2 methyl	0.03
7.166	amyl alcohol	0.03
7.300	prenyl alcohol	0.01
7.688	aldehyde C6	0.02
8.698	1 pentanol 3 methyl	0.01
8.936	cis 3 hexenol	0.04
9.155	cis 2 hexenol	0.00
9.228	hexyl alcohol	0.19
10.035	aldehyde C7	0.15
11.711	benzyl aldehyde	0.02
11.836	alpha pinene	1.84
12.281	camphene	0.01
	heptyl alcohol	0.02
12.692	methyl heptenone	0.02
12.995	sabinene	0.19
13.120	6-methyl-5-hepten-2-ol	0.01
13.236	beta pinene	0.37
13.443	beta myrcene	0.88

14.288	benzyl alcohol	0.02
14.570	alpha terpinene	0.06
	phenylacetaldehyde	0.01
14.665	paracymene	0.02
15.056	limonene	0.08
	eucalyptol	0.02
	cis beta ocimene	0.00
15.560	trans beta ocimene	0.06
16.134	gamma terpinene	0.10
16.341	trans sabinene hydrate	0.03
16.492	linalool oxide	0.01
17.310	rosefuran	0.06
17.409	terpinolene	0.02
	aldehyde C9	0.05
17.543	phenylethyl alcohol	1.05
17.602	linalool	0.64
18.067	rose oxide 1/2	0.29
18.589	cis 2-menthenol	0.02
18.802	rose oxide 2/2	0.14
19.349	trans pinocarveol	0.01
19.499	citronellal	0.04
	benzyl acetate	0.01
19.803	nerol oxide	0.04
20.649	isogeraniol	0.01
20.977	4 terpineol	0.43
21.413	alpha terpineol	0.18
21.731	myrtenol	0.02
21.788	aldehyde C10	0.03
23.370	citronellol	32.42
23.402	nerol	9.06
	neral	0.18
23.771	phenylethyl acetate	0.28
24.387	geraniol	20.18
24.555	geranial	0.52
25.029	citronellyl formate	0.01
26.040	geranyl formate	0.01
26.281	aldehyde C11	0.02
26.906	methyl geranate	0.05

28.167	eugenol	1.04
28.263	citronellyl acetate	0.51
28.589	neryl acetate	0.10
29.372	geranyl acetate	1.15
29.875	methyl eugenol	2.13
30.220	alpha copaene	0.01
30.581	beta bourbonene	0.09
30.684	beta elemene	0.11
32.010	beta caryophyllene	0.60
32.339	beta copaene	0.02
32.645	alpha guaiene	0.41
33.322	alpha humulene	0.33
33.596	phenylethyl 2-methylbutyrate	0.06
33.718	benzyl tiglate	0.03
34.354	germacrene D	1.12
34.575	beta selinene	0.04
34.693	aldehyde C13	0.02
34.919	alpha terpinene	0.01
35.043	C15	0.24
35.245	delta guaiene	0.31
35.765	delta cadinene	0.02
36.520	elemol	0.03
36.929	nerolidol	0.16
37.150	phenylethyl tiglate	0.04
38.010	caryophyllene oxide	0.05
38.630	aldehyde C14	0.01
38.881	C16	0.08
39.762	gamma eudesmol	0.02
40.423	beta eudesmol	0.03
40.597	alpha eudesmol	0.03
41.666	8-heptadecene	0.15
41.845	cis farnesol	0.10
42.385	aldehyde C15	0.02
42.604	C17	1.32
	trans farnesol	0.97
43.144	trans trans farnesal	0.02
43.542	benzyl benzoate	0.04
46.020	C18	0.13

46.631	phenylethyl benzoate	0.06
48.529	C19	2.16
49.544	C19	8.88
52.541	C20	0.73
56.646	C21	3.29
58.427	C22	0.09
61.292	C23	0.70
64.415	C24	0.03
68.187	C25	0.17
78.550	C27	0.14
	Total	**98.72**

This Essential Oil is a 100% pure and natural product. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge. The analysis and statements herein constitute the most complete information available to aromology.com. This product is guaranteed by Aromology to be of excellent quality.

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Authorised by:
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