



## CERTIFICATE of ANALYSIS (COA)

<b>COMMON NAME</b>	Rose Otto, Turkey
<b>LATIN NAME</b>	<i>Rosa x damascena</i>
<b>COUNTRY OF ORIGIN</b>	Turkey
<b>CULTIVATION METHOD</b>	Conventional
<b>TYPE</b>	Essential Oil
<b>EXTRACTION METHOD</b>	Hydrodistilled
<b>PLANT PART</b>	Flowers
<b>USE</b>	Aromatherapy, Natural Perfumery.

<b>SKU</b>	886
<b>LOT #</b>	8
<b>MANUFACTURING DATE</b>	August 2022
<b>RETEST</b>	August 2025

	<b>SPECIFICATIONS (Range)</b>	
<b>SPECIFIC GRAVITY @20°C</b>	0.84 - 0.87	0.8663
<b>REFRACTIVE INDEX @20°C</b>	1.451 - 1.473	1.4614
<b>OPTICAL ROTATION @20°C</b>	<i>na</i>	<i>na</i>

<b>PHYSICAL APPEARANCE</b>	Transparent liquid	<i>Conforms</i>
<b>COLOR</b>	Colorless to pale yellowish green	<i>Conforms</i>
<b>ODOR</b>	Sweet, rosy aroma with green and spicy notes.	<i>Conforms</i>
<b>SOLUBILITY</b>	Soluble in fixed oils; partially soluble in alcohol.	
<b>SPECIAL USE INSTRUCTIONS</b>	Dilute before use. This product may require very gentle warming to liquefy due to wax content.	

<b>PRIMARY CONSTITUENTS</b>	Citronellol, Geraniol.
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<b>COMPONENTS</b>	<b>Range %</b>	<b>%</b>	<b>COMPONENTS</b>	<b>Range %</b>	<b>%</b>
CITRONELLOL*	20-50	40,19	ROSEFURAN	<i>na</i>	0,07
GERANIOL*	<i>na</i>	16,29	BETA SELINENE	<i>na</i>	0,07
NEROL	<i>na</i>	7,84	C16	<i>na</i>	0,07
C19	<i>na</i>	7,15	PHENYLETHYL BENZOATE	<i>na</i>	0,07
C21	<i>na</i>	3,13	LIMONENE*	<i>na</i>	0,06
METHYL EUGENOL <sup>65</sup>	<i>na</i>	2,86	ALDEHYDE C9	<i>na</i>	0,06
C19'	<i>na</i>	1,78	PHENYLETHYL TIGLATE	<i>na</i>	0,06
ALPHA PINENE	<i>na</i>	1,38	BENZYL BENZOATE <sup>65</sup>	<i>na</i>	0,06
GERMACRENE D	<i>na</i>	1,24	ALDEHYDE C5	<i>na</i>	0,05
ETHYL ALCOHOL	<i>na</i>	1,06	ISOAMYL ALCOHOL	<i>na</i>	0,05
GERANYL ACETATE	<i>na</i>	1,05	CITRONELLAL	<i>na</i>	0,05
C17	<i>na</i>	1,03	NEROL OXIDE	<i>na</i>	0,05
EUGENOL*	<i>na</i>	0,82	METHYL GERANATE	<i>na</i>	0,05
C20	<i>na</i>	0,72	NEROLIDOL	<i>na</i>	0,05
PHENYLETHYL ALCOHOL	<i>na</i>	0,71	CARYOPHYLLENE OXIDE	<i>na</i>	0,05

C23	<i>na</i>	0,69	BETA EUDESMOL	<i>na</i>	0,05
BETA MYRCENE <sup>65</sup>	<i>na</i>	0,62	1 BUTANOL 2 METHYL	<i>na</i>	0,04
BETA CARYOPHYLLENE	<i>na</i>	0,62	CIS 3 HEXENOL	<i>na</i>	0,04
LINALOOL *	<i>na</i>	0,60	ALPHA TERPINENE	<i>na</i>	0,04
TRANS FARNESOL	<i>na</i>	0,60	TRANS BETA OCIMENE	<i>na</i>	0,04
CITRONELLYL ACETATE	<i>na</i>	0,56	ELEMOL	<i>na</i>	0,04
GERANIAL *	<i>na</i>	0,55	C24	<i>na</i>	0,04
ALPHA GUAIENE	<i>na</i>	0,55	AMYL ALCOHOL	<i>na</i>	0,03
4 TERPINENOL	<i>na</i>	0,47	BENZOIC ALDEHYDE	<i>na</i>	0,03
DELTA GUAIENE	<i>na</i>	0,44	EUCALYPTOL	<i>na</i>	0,03
ALPHA HUMULENE	<i>na</i>	0,39	TERPINOLENE	<i>na</i>	0,03
PHENYLETHYL ACETATE	<i>na</i>	0,34	MYRTENOL	<i>na</i>	0,03
BETA PINENE	<i>na</i>	0,31	GAMMA EUDESMOL	<i>na</i>	0,03
ROSE OXIDE 1/2	<i>na</i>	0,31	ALPHA EUDESMOL	<i>na</i>	0,03
HEXYL ALCOHOL	<i>na</i>	0,24	ALDEHYDE C16	<i>na</i>	0,03
C15	<i>na</i>	0,22	ALDEHYDE C6	<i>na</i>	0,02
ALPHA TERPINEOL	<i>na</i>	0,20	METHYL HEPTENONE	<i>na</i>	0,02
C25	<i>na</i>	0,18	PHENYLACETALDEHYDE	<i>na</i>	0,02
ROSE OXIDE 2/2	<i>na</i>	0,15	PARACYMENE	<i>na</i>	0,02
BETA ELEMENE	<i>na</i>	0,15	CIS BETA OCIMENE	<i>na</i>	0,02
C27	<i>na</i>	0,15	TRANS SABINENE HYDRATE	<i>na</i>	0,02
ALDEHYDE C7	<i>na</i>	0,14	CITRONELLYL FORMATE	<i>na</i>	0,02
SABINENE	<i>na</i>	0,13	ALDEHYDE C11	<i>na</i>	0,02
ALPHA FARNESENE	<i>na</i>	0,13	DELTA CADINENE	<i>na</i>	0,02
CIS FARNESOL	<i>na</i>	0,11	ALDEHYDE C14	<i>na</i>	0,02
C18	<i>na</i>	0,11	PRENYL ALCOHOL	<i>na</i>	0,01
BETA BOURBONENE	<i>na</i>	0,10	ALDEHYDE C8	<i>na</i>	0,01
8-HEPTADECENE	<i>na</i>	0,10	LINALOOL OXIDE 1/2	<i>na</i>	0,01
GAMMA TERPINENE	<i>na</i>	0,09	ALDEHYDE C10	<i>na</i>	0,01
NERYL ACETATE	<i>na</i>	0,09	ALPHA COPAENE	<i>na</i>	0,01
C22	<i>na</i>	0,09	C14	<i>na</i>	0,01
<i>*EU Allergen<sup>65</sup>=Prop 65</i>					

<b>COMMENTS</b>	Odor quality is excellent
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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 Eden Botanicals. This product is guaranteed by Eden Botanicals to be of excellent quality.

Eden Botanicals

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