



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Lavandin, Grosso - Organic
LATIN NAME	<i>Lavandula hybrida</i> (synonym of <i>Lavandula x intermedia</i>)
COUNTRY OF ORIGIN	Spain
CULTIVATION METHOD	Certified Organic (USDA, NOP)
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Flowering Tops
USE	Aromatherapy, Natural Perfumery, Incense

SKU	500
LOT #	18
MANUFACTURING DATE	November 2021
RETEST	November 2024

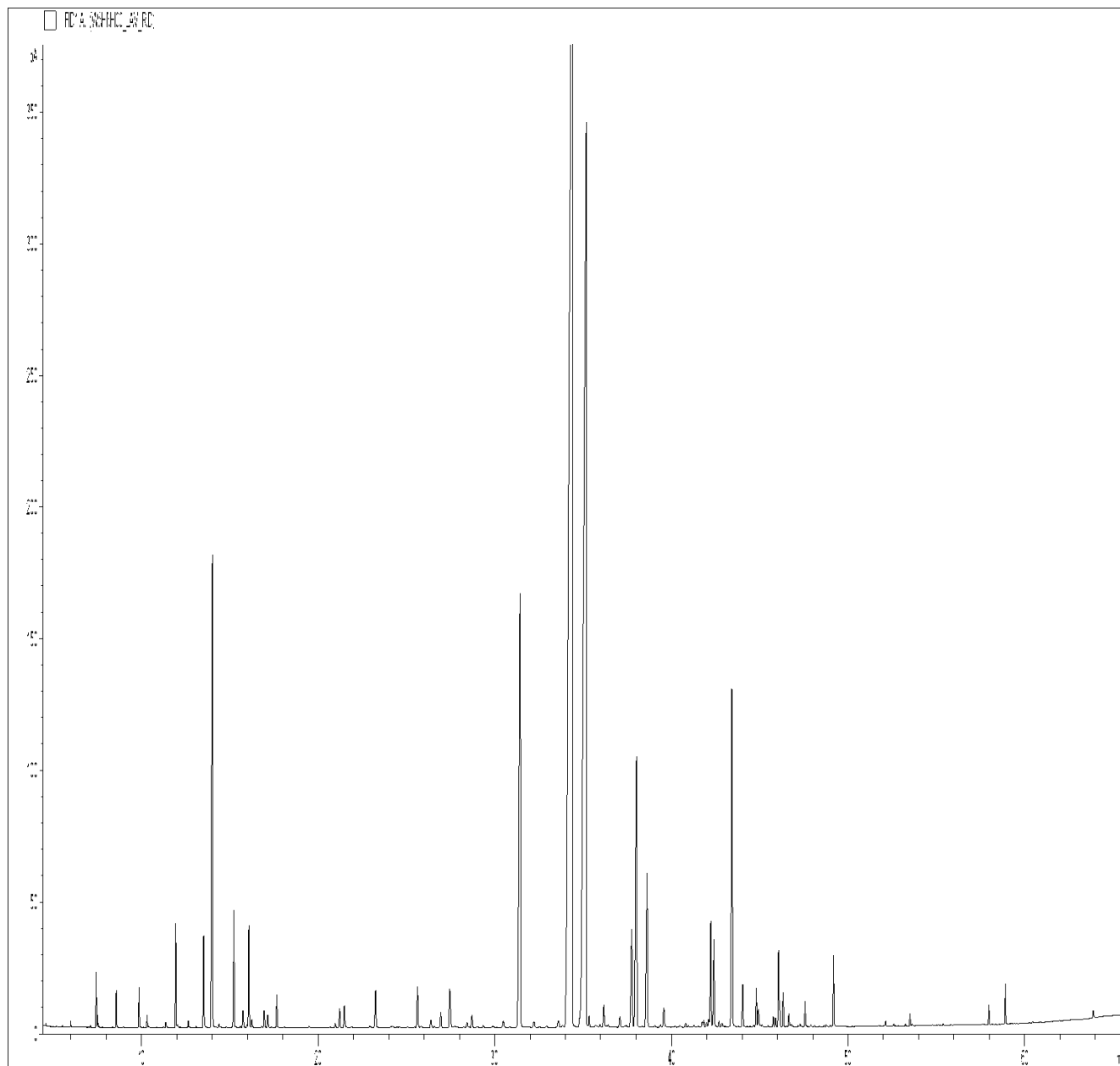
	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.888-0.898	0.891
REFRACTIVE INDEX @20°C	1.455-1.465	1.4624
OPTICAL ROTATION @20°C	-9° to -1°	na

PHYSICAL APPEARANCE	Transparent liquid	Conforms
COLOR	Colorless to pale yellow	Conforms
ODOR	Fresh, camphoraceous, herbal/floral, clear, penetrating, green.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS	Linalool, Linalyl Acetate, Camphor.
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THIRD PARTY LAB ANALYSIS (GCMS)

Chromatographic profile:



Identification results: ORGANIC LAVANDIN GROSSO - BATCH N° 500 LOT 18

Peaks	RT (min)	Compound name	%	Norm (%)	Allergens (%)
1	4.58	ACETONE	0.02		
2	5.53	ISOVALERALDEHYDE	0.01		
3	6.00	HEXANE, 1-METHOXY-	0.03		
4	7.12	TRICYCLEN	0.01		
5	7.44	alpha-PINENE	0.29		
6	7.52	alpha-THUYENE	0.07		
7	8.57	CAMPHE	0.22		
8	9.85	beta-PINENE	0.26		
9	10.31	SABINENE	0.08		
10	10.41	PINADIENE	0.01		
11	11.37	delta3-CARENE	0.04		
12	11.94	beta-MYRCENE	0.72	0.3 - 1.0	
13	12.04	alpha-PHELLANDRENE	0.02		
14	12.64	alpha-TERPINENE	0.05		
15	13.51	LIMONENE	0.75	0.5 - 1.5	0.75
16	14.01	1,8-CINEOLE	4.54	4 - 8	
17	14.38	BUTYL BUTYRATE	0.03		
18	15.22	cis-beta-OCIMENE	0.93	0.5 - 1.5	
19	15.74	gamma-TERPINENE	0.15		
20	15.96	ALIPHATIC ESTER	0.02		
21	16.07	trans-beta-OCIMENE	0.82	< 1	
22	16.24	3-OCTANONE	0.07		
23	16.80	m-CYMENE	0.01		
24	16.94	p-CYMENE	0.15		
25	17.14	HEXYL ACETATE	0.10		
26	17.66	TERPINOLENE	0.28		
27	20.96	HEXYL PROPIONATE	0.04		
28	21.21	HEXYL METHYLPROPIONATE	0.18		
29	21.48	1-HEXANOL	0.21		
30	22.91	3-HEXEN-1-OL	0.06		
31	23.25	1-OCTEN-3-YL ACETATE	0.36		
32	24.12	3-OCTANOL	0.01		
33	24.21	trans-cis-1,3,5-UNDECATRIENE	0.01		
34	25.62	HEXYL BUTYRATE	0.43	0.3 - 0.5	
35	25.83	ALIPHATIC ESTER	0.01		
36	26.38	HEXYL 2-METHYLBUTYRATE	0.09		
37	26.94	LINALOOL cis-OXIDE	0.16		
38	27.45	1-OCTEN-3-OL	0.26		
39	27.50	HEXYL 3-METHYLBUTYRATE	0.21		
40	28.43	trans-THUYANOL	0.05		
41	28.70	LINALOOL trans-OXIDE	0.13		
42	29.33	OCTYL ACETATE	0.02		
43	29.87	alpha-CAMPHOLENAL	0.02		
44	30.48	DAUCENE	0.08		
45	31.43	CAMPHOR	6.67	6.0 - 8.5	
46	32.21	beta-BOURBONENE	0.07		
47	32.93	alpha-GURJUNENE	0.02		
48	33.60	BERGAMOTENE ISOMER	0.09		
49	33.82	cis-THUYANOL	0.03		
50	34.38	LINALOOL	38.96	24 - 37	38.96

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51	35.17	LINALYL ACETATE	23.97	25 - 38	
52	35.34	BERGAMOTENE ISOMER	0.10		
53	35.69	alpha-cis-BERGAMOTENE	0.04		
54	35.95	BORNYL FORMATE	0.03		
55	36.17	alpha-SANTALENE	0.25		
56	36.30	epsilon-CADINENE	0.02		
57	36.41	BORNYL ACETATE	0.03		
58	37.08	alpha-trans-BERGAMOTENE	0.13		
59	37.43	beta-ELEMENE	0.02		
60	37.75	beta-CARYOPHYLLENE	1.32		
61	38.01	TERPINENE-4-OL	3.68	1.5 - 5.0	
62	38.33	TERPENIC COMPOUND	0.01		
63	38.61	LAVANDULYL ACETATE	1.88	1.5 - 3.5	
64	39.06	MYRTENAL	0.02		
65	39.37	HEXYL CAPROATE	0.03		
66	39.56	HEXYL TIGLATE	0.23		
67	40.22	SESQUITERPENE	0.01		
68	40.48	FARNESENE ISOMER	0.03		
69	40.81	trans-PINOCARVEOL	0.04		
70	40.96	FARNESENE ISOMER	0.02		
71	41.29	ISOBORNEOL	0.03		
72	41.76	alpha-HUMULENE	0.06		
73	41.84	cis-4,5-MUROLADIENE	0.06		
74	42.00	trans-VERBENOL	0.05		
75	42.12	delta-TERPINEOL	0.07		
76	42.23	E-beta-FARNESENE	1.03		
77	42.41	LAVANDULOL	0.83	0.2 - 1.0	
78	42.70	LAVANDULYL ISOBUTYRATE	0.05		
79	42.88	Z-beta-FARNESENE	0.05		
80	43.43	BORNEOL	2.79	1.5 - 3.5	
81	43.50	alpha-TERPINEOL	1.24	0.3 - 1.3	
82	43.79	VERBENONE	0.01		
83	44.04	GERMACRENE D	0.45		
84	44.66	SESQUITERPENE	0.01		
85	44.81	NERYL ACETATE	0.32		
86	44.93	beta-BISABOLENE	0.20		
87	45.06	SESQUITERPENE	0.01		
88	45.13	SESQUITERPENE	0.02		
89	45.48	SESQUITERPENE	0.02		
90	45.78	LAVANDULYL BUTYRATE	0.08		
91	45.90	E,E-alpha-FARNESENE	0.07		
92	46.08	GERANYL ACETATE	0.58		
93	46.10	gamma-CADINENE	0.20		
94	46.33	LAVANDULYL METHYLBUTYRATE	0.26		
95	46.66	beta-SESQUIPHELLANDRENE	0.10		
96	46.76	trans-alpha-BISABOLENE	0.02		
97	46.82	MYRTENOL	0.02		
98	47.18	NERYL PROPIONATE	0.01		
99	47.29	CAMPHOLENOL	0.03		
100	47.57	NEROL	0.20		

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Peaks	RT (min)	Compound name	%	Norm (%)	Allergens (%)
101	47.91	cis-EPOXYLINALYL ACETATE	0.02		
102	48.11	trans-EPOXYLINALYL ACETATE	0.01		
103	48.76	m-CYMENE-8-OL	0.02		
104	48.99	p-CYMENE-8-OL	0.01		
105	49.18	GERANIOL	0.56		0.56
106	52.13	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL-	0.05		
107	52.60	cis-3-HEXENYL BUTYRATE	0.02		
108	53.26	ISOCARYOPHYLLENE OXIDE	0.02		
109	53.51	CARYOPHYLLENE OXIDE	0.10		
110	53.63	SESQUITERPENIC OXIDE	0.02		
111	55.39	Epi-CUBENOL	0.01		
112	57.98	T-CADINOL	0.14		
113	58.91	alpha-BISABOLOL	0.26		
114	63.89	COUMARIN	0.07		0.07
		TOTAL	99.83		40.34

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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