



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Labdanum Absolute - Clear
LATIN NAME	<i>Cistus ladaniferus</i>
COUNTRY OF ORIGIN	Spain
CULTIVATION METHOD	Wild Grown
TYPE	Absolute
EXTRACTION METHOD	Solvent Extraction
PLANT PART	Oleoresin
USE	Natural Perfumery, Incense.

SKU	490
LOT #	25
MANUFACTURING DATE	November 2022
RETEST	November 2027

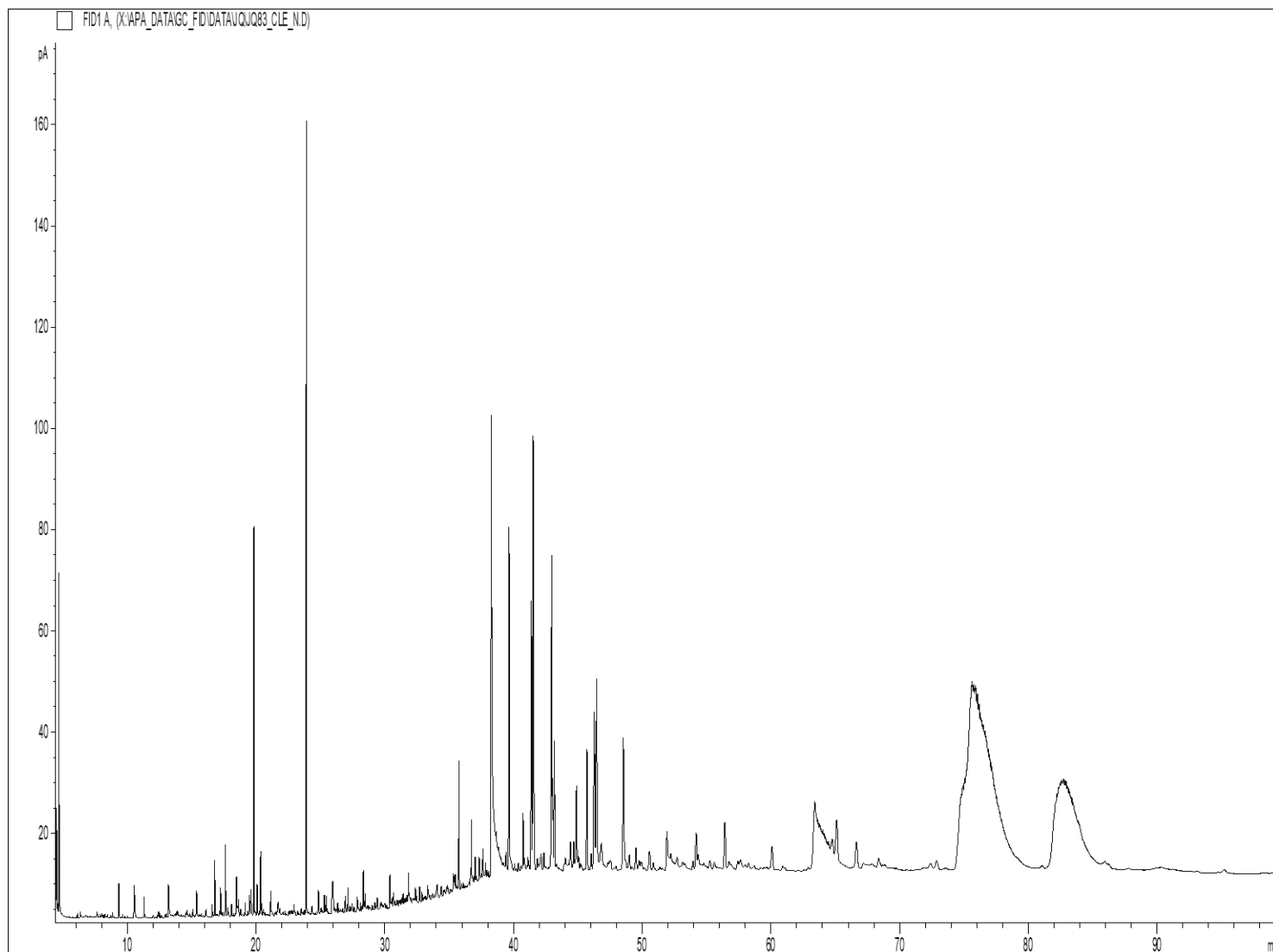
	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	na	na
REFRACTIVE INDEX @20°C	na	na
OPTICAL ROTATION @20°C	na	na

PHYSICAL APPEARANCE	Thick and resinous substance	Conforms
COLOR	Reddish brown	Conforms
ODOR	Deep, sweet balsamic aroma with ambergris-like undertone.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS	Diterpenes, Labdanolic Acid.
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THIRD PARTY LAB ANALYSIS (GCMS)

CHROMATOGRAPHIC PROFILE:



- CLEAR LABDANUM ABS - SKU 490 LOT 25 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	4.49	ETHYL ACETATE	0.29		
2	4.67	ETHANOL	1.22		
3	7.64	alpha-TERPINENE	0.04		
4	8.23	LIMONENE	0.03		0.03
5	9.34	p-CYMENE	0.12		
6	10.51	CYCLOHEXANONE, 2,2,6-TRIMETHYL-	0.11		
7	10.55	PINOL	0.11		
8	11.30	ALCOHOL COMPOUND	0.08		
9	12.38	AROMATIC COMPOUND	0.03		
10	12.47	TERPENIC COMPOUND	0.03		
11	13.19	alpha,p-DIMETHYLSTYRENE	0.21		
12	15.37	PINOCAMPHONE	0.11		
13	16.11	ISOPINOCAMPHONE	0.04		
14	16.59	PINOCARVONE	0.04		
15	16.79	BORNYL ACETATE	0.20		
16	17.23	TERPINENE-4-OL	0.15		
17	17.62	CYCLOSATIVENE	0.26		
18	18.10	MYRTENAL	0.05		
19	18.49	trans-PINOCARVEOL	0.13		
20	18.81	SESQUITERPENE	0.03		
21	19.15	SESQUITERPENE	0.05		
22	19.49	alpha-TERPINEOL	0.08		
23	19.61	BORNEOL	0.16		
24	19.84	LEDENE	1.59		
25	20.09	VERBENONE	0.15		
26		SESQUITERPENE			
27	20.36	SESQUITERPENE	0.21		
28	21.15	delta-CADINENE	0.08		
29	21.72	MYRTENOL	0.06		
30	23.91	ETHYL PHENYL PROPIONATE	3.07		
31	24.35	PHENYLETHYL ALCOHOL	0.04		
32	24.85	alpha-CALACORENE	0.16		
33	25.31	PALUSTROL	0.07		
34	25.48	ALKYL BENZENE Mw=186	0.06		
35	25.95	AROMATIC COMPOUND	0.05		
36	26.34	SESQUITERPENOL	0.04		
37	26.94	AROMATIC COMPOUND	0.10		
38	27.14	COMPOUND Mw=262	0.09		
39	27.46	TERPENIC OXIDE	0.06		
40	27.88	SESQUITERPENOL	0.07		
41	28.11	SESQUITERPENOL	0.04		
42	28.34	TERPENIC OXIDE	0.17		
43	28.48	SESQUITERPENOL	0.06		

- CLEAR LABDANUM ABS - SKU 490 LOT 25 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	29.42	SESQUITERPENOL	0.06		
45	30.01	EUGENOL	0.05		0.05
46	30.41	5-epi-7-epi-alpha-EUDESOL	0.14		
47	30.67	CARVACROL	0.07		
48	31.43	CADALENE	0.04		
49	31.85	ALIPHATIC ESTER	0.07		
50	32.39	AROMATIC COMPOUND	0.05		
51	32.72	ACID COMPOUND	0.09		
52	32.90	AROMATIC COMPOUND	0.04		
53	33.34	TERPENIC OXIDE	0.04		
54	34.07	COMPOUND Mw=275	0.03		
55	34.40	TERPENIC OXIDE	0.05		
56	35.34	TERPENIC OXIDE	0.04		
57	35.49	TERPENIC OXIDE	0.04		
58	35.77	ETHYL STEARATE	0.49		
59	35.96	AROMATIC COMPOUND	0.03		
60	36.74	ETHYL NONADECANOATE ISOMER	0.21		
61	37.03	PHENYLETHYLIC ESTER	0.10		
62	37.34	ETHYL NONADECANOATE ISOMER	0.14		
63	37.63	ALIPHATIC ESTER	0.14		
64	37.84	ALIPHATIC ESTER	0.06		
65	38.27	BENZEN PROPANOIC ACID	3.59		
66	38.65	ACID COMPOUND	0.03		
67	39.43	ALIPHATIC ESTER	0.08		
68	39.67	ETHYL HEPTADECANOATE	1.74		
69	40.08	AROMATIC COMPOUND	0.04		
70	40.39	AROMATIC COMPOUND	0.05		
71	40.76	ALIPHATIC ESTER	0.25		
72	40.85	ALIPHATIC ESTER	0.05		
73	41.14	ALIPHATIC ESTER	0.03		
74	41.40	COMPOUND Mw=334	1.51		
75	41.54	COMPOUND Mw=334	2.78		
76	41.86	ALIPHATIC ESTER	0.04		
77	42.14	ALIPHATIC ESTER	0.12		
78	42.37	AROMATIC COMPOUND	0.08		
79	42.97	COMPOUND Mw=334	1.35		
80	43.05	COMPOUND Mw=334	0.15		
81	43.18	COMPOUND Mw=334	0.68		
82	43.36	AROMATIC COMPOUND	0.03		
83	44.04	ALIPHATIC ESTER	0.10		
84	44.44	ALIPHATIC ESTER	0.21		
85	44.68	ALIPHATIC ESTER	0.15		
86	44.90	COMPOUND Mw=334	0.53		

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
87	45.05	ALIPHATIC ESTER	0.06		
88	45.71	SESQUITERPENIC COMPOUND	0.85		
89	46.06	AROMATIC ESTER	0.13		
90	46.28	AROMATIC COMPOUND	1.11		
91	46.46	NAPHTHALENIC COMPOUND	1.29		
92	46.83	AROMATIC COMPOUND	0.29		
93	48.55	ALCOHOL COMPOUND	1.10		
94	49.02	AROMATIC COMPOUND	0.14		
95	49.52	AROMATIC COMPOUND	0.20		
96	49.77	AROMATIC COMPOUND	0.06		
97	50.56	AROMATIC COMPOUND	0.24		
98	50.87	TERPENIC COMPOUND	0.09		
99	51.94	STEARIC ACID	0.30		
100	52.24	AROMATIC COMPOUND	0.06		
101	52.72	KETONIC COMPOUND	0.09		
102	53.96	AROMATIC COMPOUND	0.07		
103	54.21	AROMATIC COMPOUND	0.30		
104	54.35	TERPENIC COMPOUND	0.06		
105	55.27	TERPENIC COMPOUND	0.10		
106	55.60	AROMATIC COMPOUND	0.09		
107	56.42	AROMATIC COMPOUND	0.52		
108	56.75	AROMATIC COMPOUND	0.05		
109	57.44	TERPENIC COMPOUND	0.05		
110	57.65	AROMATIC COMPOUND	0.07		
111	58.25	AROMATIC COMPOUND	0.06		
112	60.09	TERPENIC COMPOUND	0.33		
113	63.42	EICOSANOIC ACID	5.81		
114	64.78	ALIPHATIC ESTER	0.20		
115	65.12	AROMATIC COMPOUND Mw=348	0.61		
116	66.65	AROMATIC COMPOUND	0.41		
117	68.38	OXYGENED COMPOUND	0.14		
118	72.38	OXYGENED COMPOUND	0.12		
119	72.88	OXYGENED COMPOUND	0.17		
120	75.62	ACID COMPOUND	40.51		
121		COMPOUND Mw=306			
122	82.75	ACID COMPOUND	17.58		
123	95.22	AROMATIC COMPOUND	0.10		
		TOTAL	98.64		0.08

This Absolute is a 100% pure and natural product and 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.

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