



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 #	27
MANUFACTURING DATE	September 2023
BEST BY DATE	September 2028

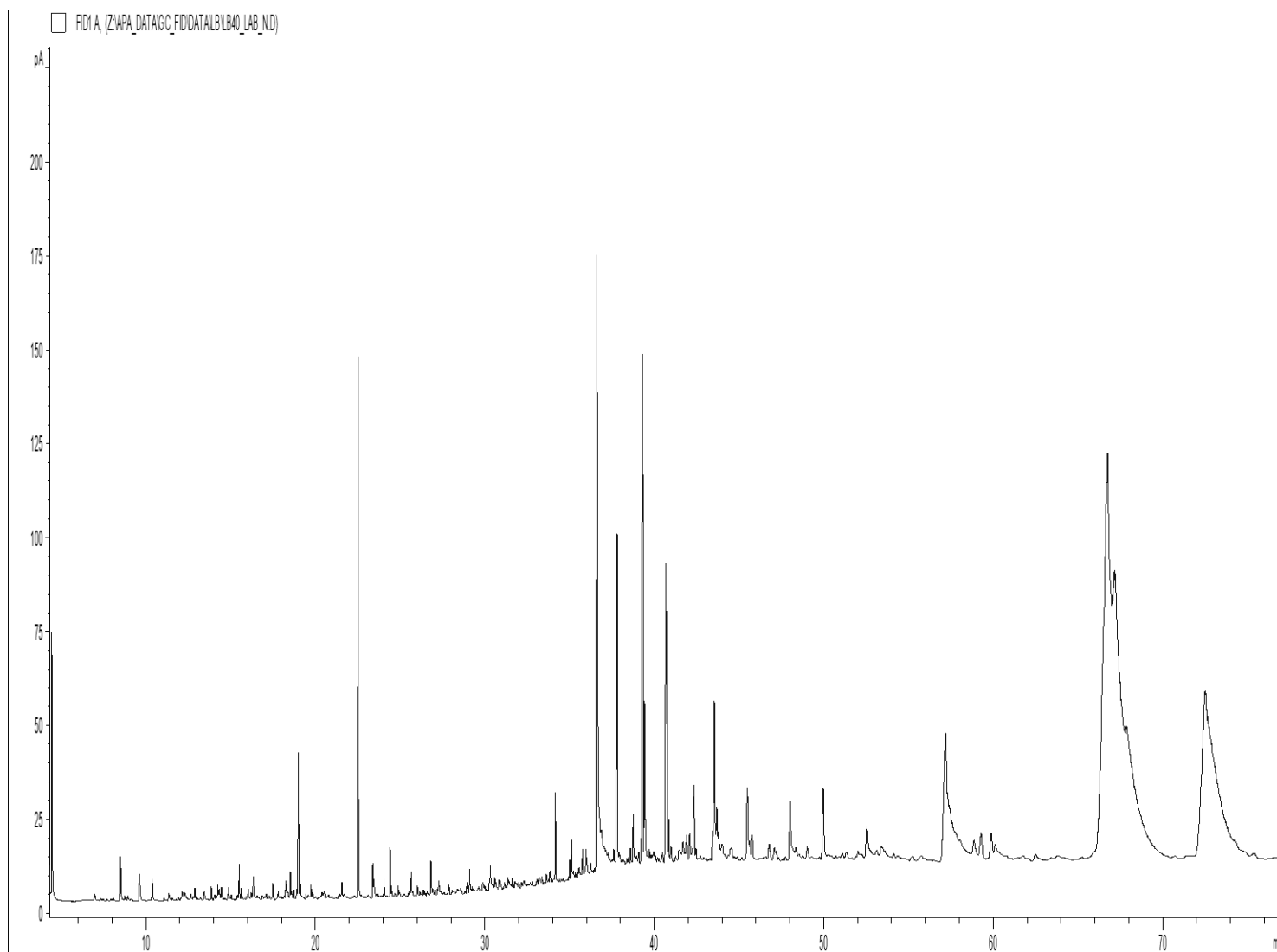
	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	na	na
REFRACTIVE INDEX @20°C	na	1.5082
OPTICAL ROTATION @20°C	na	na

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:



- LABDANUM CLEAR ABS - SKU 490 LOT 27 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	4.29	ETHYL ACETATE	0.36		
2	4.44	ETHANOL	1.48		
3	8.51	p-CYMENE	0.21		
4	9.62	CYCLOHEXANONE, 2,2,6-TRIMETHYL-	0.17		
5	10.37	2-PENTANONE, 4-HYDROXY-4-METHYL-	0.11		
6	11.35	AROMATIC COMPOUND	0.05		
7	12.15	alpha,p-DIMETHYLSTYRENE	0.07		
8	12.28	ACETIC ACID	0.08		
9	12.89	SESQUITERPENE	0.05		
10	13.43	ISOLEDENE	0.06		
11	13.86	AROMATIC COMPOUND	0.07		
12	14.24	PINOCAMPHONE	0.08		
13	14.32	SESQUITERPENE	0.06		
14	14.45	SESQUITERPENE	0.06		
15	14.87	GUAIENE ISOMER	0.07		
16	15.50	BORNYL ACETATE	0.15		
17	15.64	SESQUITERPENE	0.07		
18	16.05	SESQUITERPENE	0.06		
19	16.35	alpha-GUAIENE	0.15		
20	17.49	beta-GUAIENE	0.07		
21	18.27	LEDENE	0.12		
22	18.37	BORNEOL	0.05		
23	18.52	VERBENONE	0.14		
24	18.91	CARVENONE	0.05		
25	19.00	SESQUITERPENE	0.63		
26	19.11	alpha-MUUROLENE	0.12		
27	19.75	delta-CADINENE	0.07		
28	19.84	CADINA-1,4-DIENE	0.05		
29	20.40	ACID COMPOUND	0.08		
30	20.52	CADINENE ISOMER	0.06		
31	21.57	CALAMENENE	0.09		
32	22.53	ETHYL PHENYL PROPIONATE	2.25		
33	23.40	ALKYL BENZENE Mw=188	0.15		
34	23.46	alpha-CALACORENE	0.11		
35	24.06	ALKYL BENZENE Mw=186	0.10		
36	24.42	COMPOUND Mw=262	0.20		
37	24.50	COMPOUND Mw=262	0.06		
38	24.89	1-epi-CUBENOL	0.05		
39	25.66	DITERPENE Mw=272	0.14		
40	26.03	ACID COMPOUND	0.07		
41	26.82	COMPOUND Mw=260	0.19		
42	27.29	COMPOUND Mw=220	0.10		
43	27.88	AROMATIC COMPOUND	0.06		

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	28.95	EUDESMOL ISOMER	0.07		
45	29.11	CARVACROL	0.11		
46	29.89	DITERPENE Mw=272	0.08		
47	30.33	AROMATIC COMPOUND Mw=270	0.08		
48	30.34	CADALENE	0.12		
49	30.59	SESQUITERPENIC OXIDE	0.08		
50	30.66	DITERPENE Mw=272	0.05		
51	30.84	PALMITATE D'ETHYLE	0.07		
52	30.92	ACIDE CAPRIQUE	0.07		
53	31.17	AROMATIC COMPOUND	0.06		
54	31.37	AROMATIC COMPOUND	0.09		
55	31.45	ALIPHATIC ESTER	0.05		
56	31.63	AROMATIC COMPOUND	0.08		
57	31.78	DITERPENE Mw=272	0.05		
58	32.32	DITERPENE Mw=272	0.09		
59	32.80	DITERPENE Mw=272	0.05		
60	33.08	DITERPENE Mw=272	0.05		
61	33.21	DITERPENE Mw=272	0.05		
62	33.37	COMPOUND Mw=294	0.05		
63	33.63	COMPOUND Mw=290	0.09		
64	33.86	COMPOUND Mw=264	0.06		
65	33.92	2-NONADECANONE	0.06		
66	34.17	ETHYL STEARATE	0.39		
67	35.01	AROMATIC COMPOUND	0.09		
68	35.13	ALIPHATIC ESTER	0.19		
69	35.23	AROMATIC ESTER	0.06		
70	35.56	SESQUITERPENIC OXIDE	0.07		
71	35.76	ALIPHATIC ESTER	0.14		
72	35.99	AROMATIC COMPOUND	0.14		
73	36.04	AROMATIC COMPOUND	0.05		
74	36.23	AROMATIC COMPOUND	0.07		
75	36.61	HYDROCINNAMIC ACID	5.55		
76	36.89	COMPOUND Mw=336	0.06		
77	37.61	2-HENEICOSANE	0.06		
78	37.81	ETHYL ARACHIDATE	1.55		
79	37.93	AROMATIC COMPOUND	0.06		
80	38.61	AROMATIC COMPOUND	0.10		
81	38.76	ALIPHATIC ESTER Mw=354	0.24		
82	38.87	AROMATIC COMPOUND	0.08		
83	38.96	COMPOUND Mw=300	0.05		
84	39.09	ALIPHATIC ESTER	0.07		
85	39.32	COMPOUND Mw=334	3.13		
86	39.42	COMPOUND Mw=334	1.12		

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
87	39.71	COMPOUND Mw=332	0.11		
88	39.82	ALIPHATIC ESTER	0.05		
89	39.98	AROMATIC COMPOUND	0.11		
90	40.48	COMPOUND Mw=306	0.09		
91	40.69	COMPOUND Mw=334	1.90		
92	40.70	COMPOUND Mw=334	0.68		
93	40.86	COMPOUND Mw=334	0.24		
94	40.99	AROMATIC COMPOUND	0.14		
95	41.48	AROMATIC COMPOUND	0.19		
96	41.70	AROMATIC COMPOUND	0.25		
97	41.91	AROMATIC COMPOUND	0.20		
98	42.10	ALIPHATIC ESTER Mw=368	0.23		
99	42.35	AROMATIC COMPOUND	0.57		
100	42.46	PALMITIC ACID	0.07		
101	43.45	COMPOUND Mw=350	0.17		
102	43.55	KETONIC COMPOUND	1.31		
103	43.69	AROMATIC COMPOUND Mw=292	0.45		
104	43.81	AROMATIC COMPOUND Mw=290	0.28		
105	43.99	AROMATIC COMPOUND	0.22		
106	44.53	AROMATIC COMPOUND	0.16		
107	45.49	AROMATIC COMPOUND Mw=292	0.67		
108	45.63	AROMATIC COMPOUND Mw=330	0.16		
109	45.79	AROMATIC COMPOUND	0.21		
110	46.78	COMPOUND Mw=350	0.18		
111	47.10	AROMATIC ESTER	0.14		
112	47.20	OXYGENED COMPOUND	0.07		
113	48.02	STEARIC ACID	0.74		
114	48.37	AROMATIC COMPOUND	0.14		
115	49.04	OXYGENED COMPOUND	0.12		
116	49.97	OXYGENED COMPOUND	0.69		
117	51.34	OXYGENED COMPOUND	0.08		
118	52.02	OXYGENED COMPOUND	0.17		
119	52.56	AROMATIC COMPOUND	0.49		
120	53.41	OXYGENED COMPOUND	0.22		
121	57.19	EICOSANOIC ACID	5.18		
122	58.87	OXYGENED COMPOUND	0.26		
123	59.29	COMPOUND Mw=348	0.36		
124	59.89	ALIPHATIC ESTER	0.34		
125	60.13	COMPOUND Mw=362	0.21		
126	62.51	SESQUITERPENIC COMPOUND	0.12		
127	66.76	ACID COMPOUND	42.58		
128		COMPOUND Mw=306			
129	72.51	ACID COMPOUND	12.73		

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
		TOTAL	96.46		-

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.

Eden Botanicals

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