

WALDO HEFFNER

Pibernus N° 2074
Presidencia Roque Saenz
PEÑA ARGENTINA

Sample information*:

Nature ESSENTIAL OIL
Name GUAIAC WOOD
Botanical name BULNESIA SARMIENTO
Origin -
Plant part WOOD
Reference 001

Original packaging: 50 mL amber bottle

Pyrenessences reference: PJ06

Requested analysis: CLASSIC GC ANALYSIS

Date of receipt: 07/04/2026

Date of analysis: 13/05/2026

Sample storage: 1 year - room temperature

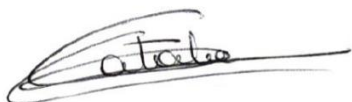
** provided by the client*

- Comments -

Report validated by:

Camille Catala

- Administrative manager -



Report written by:

Anne-Sophie Mora

- Analyst technician -



ANALYSIS CONDITIONS

Methodology: according to ISO 11024

Sample preparation: 10% dilution in hexane

Equipment: - GC/MS Agilent 7890/5977

- GC/FID Agilent 6890

Column: VF-Wax (polar)

Acquisition method: 2S-RTL_R

Peaks identification: - internal MS library "ESSENCE.L"

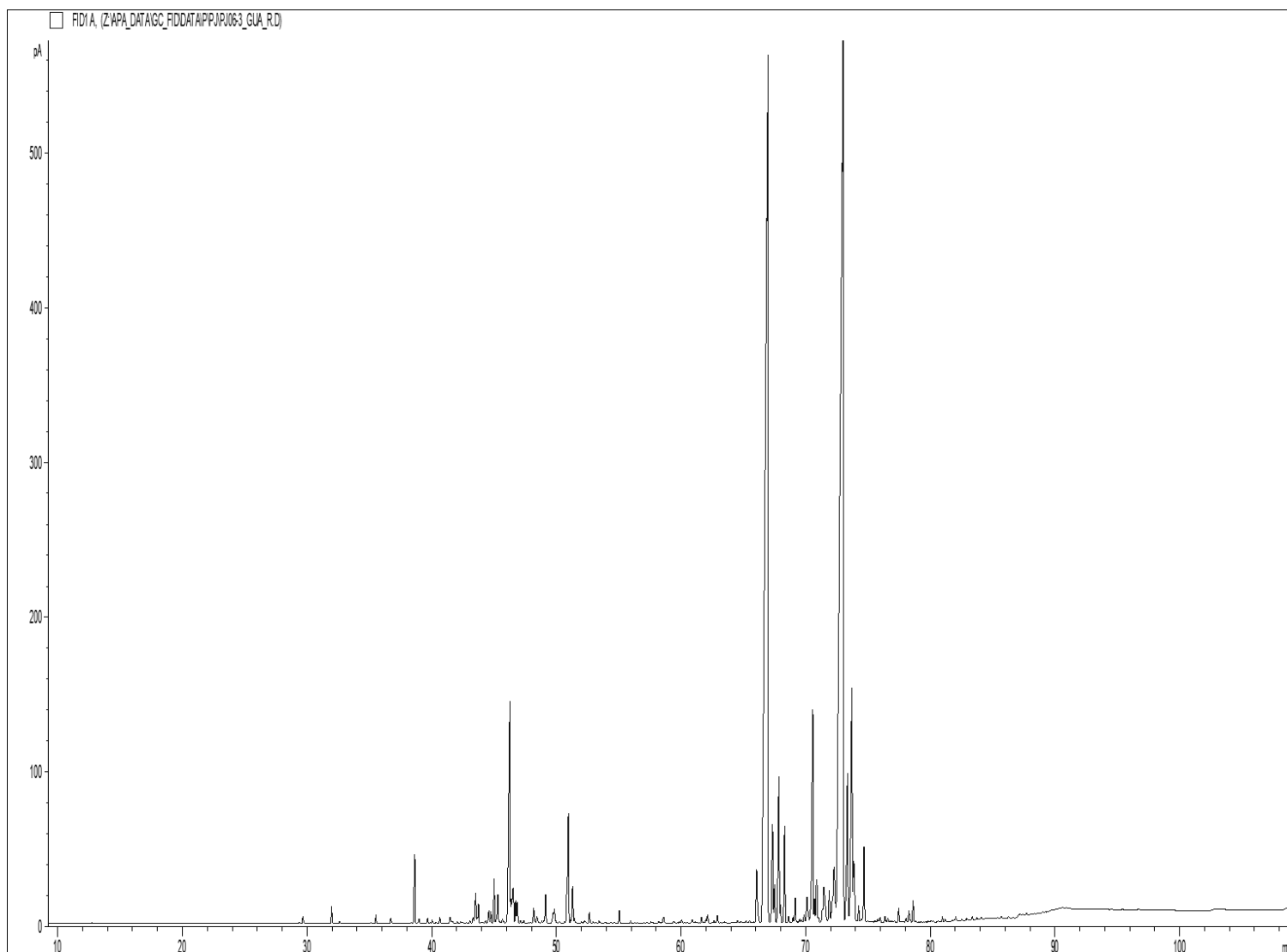
- commercial MS library "NIST.L"

- retention time (internal database)

Integration threshold: 0.01%

Investigation threshold: 0.01%

CHROMATOGRAPHIC PROFILE



RESULTS TABLE

- GUAIAC WOOD EO - REF. 001 -

Peaks	RT (min)	Compound name	CAS	%	Standard (%)	Allergens (%)
1	29.36	ACETIC ACID	64-19-7	0.01		
2	29.65	FURFURAL	98-01-1	0.08		
3	31.96	beta-PATCHOULENE	514-51-2	0.16		
4	32.61	alpha-COPAENE	3856-25-5	0.02		
5	35.51	SESQUITERPENE		0.08		
6	36.71	2-FURFURAL, 5-METHYL-	620-02-0	0.06		
7	38.63	alpha-GUAIENE	3691-12-1	0.75		
8	38.98	SESQUITERPENE		0.06		
9	39.67	SESQUITERPENE		0.06		
10	40.03	AROMADENDRENE	109119-91-7	0.04		
11	40.34	COPACAMPHENE	16641-59-1	0.02		
12	40.64	SESQUITERPENE		0.06		
13	41.47	SESQUITERPENE		0.09		
14	41.66	SESQUITERPENE		0.03		
15	42.05	KETONIC COMPOUND		0.02		
16	42.33	SESQUITERPENE		0.02		
17	43.05	alpha-ACORADIENE	24048-44-0	0.03		
18	43.31	alpha-HUMULENE	6753-98-6	0.07		
19	43.52	SESQUITERPENE		0.38		
20		ALIPHATIC ALCOHOL				
21	43.64	SESQUITERPENE		0.05		
22	43.75	gamma-SELINENE	515-17-3	0.20		
23	44.08	cis-4,5-MUROLADIENE	157477-72-0	0.02		
24	44.31	SESQUITERPENE		0.03		
25	44.58	SELINENE ISOMER		0.16		
26	44.74	SESQUITERPENE		0.12		
27	45.00	OXIDE COMPOUND Mw=222		0.48		
28	45.29	alpha-ALASKENE	28400-12-6	0.37		
29	45.45	SESQUITERPENE		0.02		
30	45.67	beta-CHAMIGRENE	18431-82-8	0.08		
31	46.26	alpha-BULNESENE	3691-11-0	3.77		
32	46.37	beta-SELINENE	17066-67-0	0.25		
33	46.53	OXIDE COMPOUND Mw=222		0.65		
34	46.72	alpha-SELINENE	473-13-2	0.23		
35	46.86	beta-DIHYDRO-AGAROFURAN		0.26		
36		COMPOUND Mw=220				
37	47.12	SESQUITERPENE		0.04		
38	47.38	SESQUITERPENE		0.04		
39	48.17	alpha-CHAMIGRENE	19912-83-5	0.17		
40	48.29	alpha-DIHYDRO-AGAROFURAN		0.02		
41	48.43	delta-CADINENE	483-76-1	0.11		
42	48.62	gamma-CADINENE	39029-41-9	0.01		
43	48.83	7-epi-alpha-SELINENE	123123-37-5	0.03		

RESULTS TABLE

- GUAIAAC WOOD EO - REF. 001 -

Peaks	RT (min)	Compound name	CAS	%	Standard (%)	Allergens (%)
44	48.97	SESQUITERPENE		0.02		
45	49.13	delta-SELINENE	28624-23-9	0.34		
46	49.71	AROMATIC COMPOUND		0.06		
47	49.75	SELINA-3,7-DIENE	6813-21-4	0.09		
48	49.84	alpha-PANASINSEN	56633-28-4	0.14		
49	49.94	SELINADIENE ISOMER		0.03		
50	50.24	ALIPHATIC ESTER		0.03		
51	50.66	SESQUITERPENE		0.02		
52	50.96	SESQUITERPENE		1.63		
53		COMPOUND Mw=220				
54	51.14	SESQUITERPENE		0.03		
55	51.30	COMPOUND Mw=220		0.46		
56	51.44	COMPOUND Mw=220		0.05		
57	52.02	SESQUITERPENE		0.02		
58	52.24	SESQUITERPENE		0.03		
59	52.33	SESQUITERPENE		0.02		
60	52.64	SESQUITERPENIC OXIDE		0.12		
61	52.94	FURANIC COMPOUND		0.02		
62	53.42	AROMATIC COMPOUND		0.03		
63	53.89	COMPOUND Mw=202		0.02		
64	55.05	COMPOUND Mw=220		0.14		
65	55.96	alpha-AGAROFURAN	5956-12-7	0.03		
66	57.26	alpha-CALACORENE	21391-99-1	0.02		
67	57.58	COMPOUND Mw=222		0.02		
68	58.19	AROMATIC COMPOUND Mw=160		0.03		
69	58.61	beta-IONONE	14901-07-6	0.11		
70		AROMATIC COMPOUND Mw=160				
71	59.39	AROMATIC COMPOUND		0.03		
72	60.04	COMPOUND Mw=202		0.04		
73	60.89	COMPOUND Mw=222		0.05		
74	61.12	AROMATIC COMPOUND Mw=218		0.02		
75	61.64	COMPOUND Mw=222		0.07		
76	62.00	SESQUITERPENIC COMPOUND		0.04		
77	62.13	AROMATIC COMPOUND Mw=218		0.10		
78	62.65	AROMATIC COMPOUND Mw=216		0.04		
79	62.91	COMPOUND Mw=220		0.10		
80	63.47	KETONIC COMPOUND		0.02		
81	64.52	EUDESMOL ISOMER		0.03		
82	64.80	COMPOUND Mw=198		0.03		
83	65.22	SESQUITERPENIC COMPOUND		0.03		
84	65.50	EUDESMOL ISOMER		0.03		
85	66.06	ELEMOL	639-99-6	0.88		
86	66.97	GUAIIOL	489-86-1	28.47		

RESULTS TABLE

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Peaks	RT (min)	Compound name	CAS	%	Standard (%)	Allergens (%)
87	67.33	10-epi-gamma-EUDESOL	15051-81-7	1.46		
88	67.50	SESQUITERPENOL		0.42		
89	67.85	GUAIOL ISOMER		1.95		
90	67.97	ROSIFOLIOL	63891-61-2	0.18		
91	68.31	EUDESMA-5-EN-11-alpha-OL	337981-29-0	1.11		
92	68.64	alpha-BISABOLOL B OXIDE	26184-88-3	0.08		
93	68.97	EUDESOL ISOMER		0.07		
94	69.16	7-epi-beta-EUDESOL		0.29		
95	69.51	SESQUITERPENOL		0.04		
96	69.66	AROMATIC COMPOUND		0.03		
97	69.87	EUDESOL ISOMER		0.12		
98	70.10	EUDESOL ISOMER		0.45		
99	70.57	gamma-EUDESOL	1209-71-8	3.13		
100	70.70	KETONIC COMPOUND		0.25		
101	70.88	HINESOL	23811-08-7	0.67		
102	71.02	AROMATIC COMPOUND		0.06		
103	71.34	VALERIANOL	20489-45-6	0.15		
104	71.46	EUDESOL ISOMER		0.81		
105	71.88	EUDESOL ISOMER		0.43		
106	72.27	EUDESOL ISOMER		1.46		
107	73.02	BULNESOL	22451-73-6	34.41		
108	73.35	alpha-EUDESOL	473-16-5	2.29		
109	73.70	beta-EUDESOL	473-15-4	3.66		
110	73.85	COMPOUND Mw=238		1.11		
111	74.24	EUDESOL ISOMER		0.20		
112	74.68	BULNESOL ISOMER		0.92		
113	74.98	COMPOUND Mw=218		0.03		
114	75.54	COMPOUND Mw=220		0.02		
115	75.76	ALIPHATIC COMPOUND		0.05		
116	75.97	SESQUITERPENOL		0.07		
117	76.35	ALIPHATIC COMPOUND		0.08		
118	76.59	COMPOUND Mw=222		0.06		
119	76.78	COMPOUND Mw=220		0.02		
120	76.95	COMPOUND Mw=218		0.02		
121	77.46	COMPOUND Mw=220		0.18		
122	78.04	COMPOUND Mw=238		0.05		
123	78.28	ISOEUGENOL	97-54-1	0.17		0.17
124	78.62	OXIDE COMPOUND		0.26		
125	78.82	SESQUITERPENIC COMPOUND		0.02		
126	79.83	COMPOUND Mw=220		0.02		
127	80.06	COMPOUND Mw=220		0.03		
128	80.97	COMPOUND Mw=222		0.05		
129	81.18	AROMATIC COMPOUND		0.04		

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Peaks	RT (min)	Compound name	CAS	%	Standard (%)	Allergens (%)
130	82.03	KETONIC COMPOUND		0.09		
131	82.52	SESQUITERPENIC COMPOUND		0.03		
132	82.93	COMPOUND Mw=220		0.03		
133	83.38	PATCHOULOL	5986-55-0	0.06		
134	83.74	COMPOUND Mw=220		0.02		
135	84.08	COMPOUND Mw=220		0.02		
136	87.72	SESQUITERPENOL		0.02		
		TOTAL		99.75		0.17

Abbreviations:

GC	Gas chromatography
MS	Mass spectrometry
FID	Flame ionization detector
EO	Essential oil
RT	Retention time
Nd	Not detected
Tr.	Traces

- The results refer only to the object submitted for analysis, only to the sample as it was received.

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