

Client



Source

**Cedarwood, Atlas** (*Cedrus atlantica*)

EVS-2025-NG-3

Sample

Cedarwood, Atlas (*Cedrus atlantica*)

Batch #: MA-59516
Type: Essential Oil
Origin: Morocco
CAS #: 8023-85-6

Client

**NATURE'S
GIFT**

Properties

RI: NT
SG: NT

Primary

36.54% | beta-Himachalene
16.96% | alpha-Himachalene
10.78% | gamma-Himachalene
3.52% | (E)-alpha-Atlantone

Result

**Pass**

Meets specifications

ANALYSIS SUMMARY

Total Compounds: 61

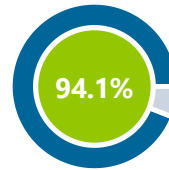
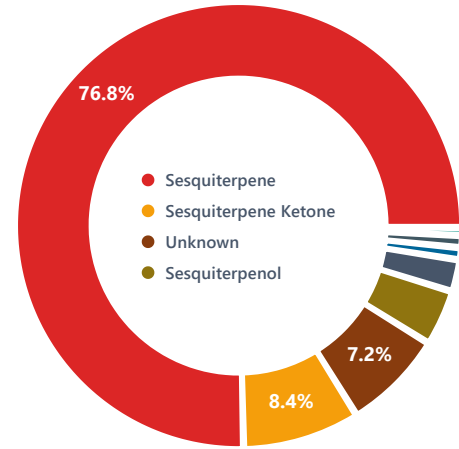
Lab

**Essential Validation Services**

EO Testing Lab

240 Goose Hollow Road
 Berthoud, Colorado 80513

Phone: (317) 361-5044

essentialvalidationservices.com
CHEMICAL FAMILY BREAKDOWN**TOTAL CONTENT IDENTIFIED**

94.1% identified
 5.9% unidentified

Conclusion

PROFESSIONAL ANALYSIS SUMMARY

Analysis of this Atlas Cedarwood (*Cedrus atlantica*) Essential Oil sample was conducted against the Cedarwood, Atlas (*Cedrus atlantica*) standard specification. The chromatographic analysis accounted for 97.3% of the total sample composition. All major constituents were found to be within the expected ranges specified in the standard. No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Cedarwood, Atlas (*Cedrus atlantica*).

Adam Christensen • Nov 20, 2025

Adam Christensen

Analyst Signature

Date

Nov 10, 2025

CHEMICAL FAMILY DISTRIBUTION

Sesquiterpene	76.8%
Sesquiterpene Ketone	8.4%
Unknown	7.2%
Sesquiterpenol	3.9%
Sesquiterpene Ether	2.1%

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Expected vs. Detected Components

Comparison against EVS Internal Standard for Cedarwood, Atlas (*Cedrus atlantica*)

Compound	Expected	Detected	Status	Family
1 beta-Himachalene	35.00-51.00%	36.54%	✓	Sesquiterpene
2 alpha-Himachalene	0.20-20.00%	16.96%	✓	Sesquiterpene
3 gamma-Himachalene	4.00-13.00%	10.78%	✓	Sesquiterpene
4 (E)-alpha-Atlantone	1.00-4.50%	3.52%	✓	Sesquiterpene Ketone
5 gamma-Dehydro-ar-himachalene	0.75-4.50%	1.10%	✓	Sesquiterpene
6 delta-Cadinene	0.75-3.30%	2.29%	✓	Sesquiterpene
7 alpha-Dehydro-ar-himachalene	0.30-3.20%	0.88%	✓	Sesquiterpene
8 11-alpha-H-Himachala-1,4-diene	1.00-3.00%	2.67%	✓	Sesquiterpene
9 Deodarone	0.20-3.00%	2.63%	✓	Sesquiterpene Ketone
10 Allohimachalol	0.10-1.90%	-	✗	Sesquiterpenol
11 (E)-gamma-Atlantone	0.10-1.90%	0.83%	✓	Sesquiterpene Ketone
12 beta-Himachalene oxide	0.10-1.80%	1.68%	✓	Sesquiterpene Ether
13 (Z)-gamma-Atlantone	0.20-1.50%	0.78%	✓	Sesquiterpene Ketone
14 (Z)-alpha-Atlantone	0.10-1.20%	0.64%	✓	Sesquiterpene Ketone
15 Longifolene	0.10-1.20%	0.73%	✓	Sesquiterpene
16 alpha-Longipinene	0.01-0.30%	0.10%	✓	Sesquiterpene
17 alpha-Ylangene	0.01-0.20%	0.04%	✓	Sesquiterpene
18 alpha-Terpineol	0.01-0.20%	0.05%	✓	Monoterpenol
19 alpha-Pinene	0.01-0.20%	0.04%	✓	Monoterpene

Professional Analysis Summary

1 Sample Analysis

This Cedarwood, Atlas (*Cedrus atlantica*) sample shows 61 detected compounds (51 identified, 83.6% rate).

2 Major Components

Predominant: beta-Himachalene (36.5%), alpha-Himachalene (17.0%), gamma-Himachalene (10.8%), +7 others.

3 Chemical Profile

9 chemical families: Sesquiterpene, Sesquiterpene Ketone, Sesquiterpene Ether, +6 others.

4 Quality Assessment

Client



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EVS-2025-NG-3

Total Percentage:

97.34%

Number	RT	Area %	Compound Name	Chemical Family
1	10.77	0.04%	alpha-Pinene ✓ (0.01%-0.20%)	Monoterpene
2	13.84	0.03%	Limonene	Monoterpene
3	17.80	0.55%	Limona ketone	Simple Phenolic
4	19.44	0.01%	Borneol	Monoterpenol
5	20.09	0.06%	para-Methylacetophenone	Simple Phenolic
6	20.35	0.05%	alpha-Terpineol ✓ (0.01%-0.20%)	Monoterpenol
7	26.63	0.01%	delta-Elemene	Sesquiterpene
8	27.55	0.10%	alpha-Longipinene ✓ (0.01%-0.30%)	Sesquiterpene
9	28.12	0.03%	23.48 Isoledene	Unknown
10	28.32	0.04%	alpha-Ylangene ✓ (0.01%-0.20%)	Sesquiterpene
11	28.51	0.03%	alpha-Copaene	Sesquiterpene
12	28.89	0.45%	UK	Unknown
13	29.24	0.07%	Sativene	Sesquiterpene
14	29.67	0.83%	Sibirene	Sesquiterpene
15	30.02	0.73%	Longifolene ✓ (0.10%-1.20%)	Sesquiterpene
16	30.45	0.01%	beta-Caryophyllene	Sesquiterpene
17	30.55	0.04%	beta-Gurjunene	Sesquiterpene
18	30.68	0.73%	Himachala-2,4-diene	Sesquiterpene
19	31.13	0.61%	Vestitenone	Terpenic Ketone
20	31.40	0.29%	(E)-beta-Farnesene	Sesquiterpene
21	31.46	0.25%	UK	Unknown
22	31.80	16.96%	alpha-Himachalene ✓ (0.20%-20.00%)	Sesquiterpene
23	32.12	0.25%	Thujopsadiene	Sesquiterpene
24	32.29	0.38%	UK	Unknown
25	32.60	0.69%	Himachalene isomer	Unknown
26	32.91	10.78%	gamma-Himachalene ✓ (4.00%-13.00%)	Sesquiterpene
27	33.03	2.67%	11-alpha-H-Himachala-1,4-diene ✓ (1.00%-3.00%)	Sesquiterpene
28	33.34	0.34%	28.05 Amorphane <cis-4,10-epoxy->	Unknown
29	33.62	0.21%	Bicyclgermacrene	Sesquiterpene
30	33.87	36.54%	beta-Himachalene ✓ (35.00%-51.00%)	Sesquiterpene
31	33.99	0.05%	Cuparene	Sesquiterpene

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Number	RT	Area %	Compound Name	Chemical Family
32	34.08	0.36%	UK	Unknown
33	34.17	0.88%	alpha-Dehydro-ar-himachalene ✓ (0.30%-3.20%)	Sesquiterpene
34	34.45	2.29%	delta-Cadinene ✓ (0.75%-3.30%)	Sesquiterpene
35	34.61	0.01%	Zonarene	Sesquiterpene
36	34.71	0.79%	Eudesma-2,4,11-triene	Sesquiterpene
37	34.82	1.10%	gamma-Dehydro-ar-himachalene ✓ (0.75%-4.50%)	Sesquiterpene
38	34.99	0.67%	trans-alpha-Bisabolene	Sesquiterpene
39	35.15	0.60%	UK	Unknown
40	35.33	0.67%	alpha-Calacorene	Sesquiterpene
41	35.68	0.11%	(E)-Nerolidol	Sesquiterpenol
42	36.12	0.04%	beta-Calacorene	Sesquiterpene
43	36.25	0.26%	Spathulenol	Sesquiterpenol
44	36.64	0.40%	Himachalene oxide	Sesquiterpene Ether
45	37.69	0.46%	Longiborneol	Sesquiterpenol
46	38.17	1.68%	beta-Himachalene oxide ✓ (0.10%-1.80%)	Sesquiterpene Ether
47	38.48	0.62%	UK	Unknown
48	38.63	0.90%	1,10-di-epi-Cubenol	Sesquiterpenol
49	38.82	0.11%	1-epi-Cubenol	Sesquiterpenol
50	39.15	0.20%	Isolongifolol	Unknown
51	39.54	0.76%	beta-Acorenol	Sesquiterpenol
52	39.89	0.25%	UK	Unknown
53	40.03	1.26%	Pogostol	Sesquiterpenol
54	40.36	0.04%	Cadalene	Sesquiterpene
55	40.76	0.78%	(Z)-gamma-Atlantone ✓ (0.20%-1.50%)	Sesquiterpene Ketone
56	41.11	2.63%	Deodarone ✓ (0.20%-3.00%)	Sesquiterpene Ketone
57	41.20	0.83%	(E)-gamma-Atlantone ✓ (0.10%-1.90%)	Sesquiterpene Ketone
58	41.39	0.35%	UK	Unknown
59	41.52	0.64%	(Z)-alpha-Atlantone ✓ (0.10%-1.20%)	Sesquiterpene Ketone
60	42.79	0.30%	Heptadecane	Alkane
61	43.73	3.52%	(E)-alpha-Atlantone ✓ (1.00%-4.50%)	Sesquiterpene Ketone

