



Suleyman Demirel University  
Natural Product Application and Research  
Center  
(SUDUM)



Report Number 2410069  
Report Date 25.10.2024

PRIVATE REQUEST ANALYSIS REPORT

**Purpose of analysis** Content Analysis with GC-MS  
**Request submitted by** Avez Tıbbi ve Aromatik Bitki ve Yağları Üretim ve Ticaret  
**Date the sample was taken** Adem Şahin  
24.10.2024  
**Date of the experiment** 24.10.2024  
**Name and identity of test item** Laurel Leaf Oil  
**Production and Expiration Date** 10.2024-10.2029  
**Lot no** 202401LN

TEST RESULTS

No	Detected Active Substance	% Quantity	Measurement Limit	Unit	Analysis Method
1	$\alpha$ -Thujene	0.16	0.01%	% (Peak rate)	GC-MS
2	$\alpha$ -Pinene	5.43	0.01%	% (Peak rate)	GC-MS
3	Camphene	0.56	0.01%	% (Peak rate)	GC-MS
4	Sabinene	10.76	0.01%	% (Peak rate)	GC-MS
5	2-Dehydro-1,8-cineole	0.13	0.01%	% (Peak rate)	GC-MS
6	$\alpha$ -Myrcene	0.38	0.01%	% (Peak rate)	GC-MS
7	1-Phellandrene	0.15	0.01%	% (Peak rate)	GC-MS
8	$\alpha$ -Terpinene	0.39	0.01%	% (Peak rate)	GC-MS
9	p-Cymene	0.97	0.01%	% (Peak rate)	GC-MS
10	1,8-Cineole (Eucalyptol)	55.46	0.01%	% (Peak rate)	GC-MS
11	$\alpha$ -Ocimene Y	0.07	0.01%	% (Peak rate)	GC-MS
12	$\zeta$ -Terpinene	0.82	0.01%	% (Peak rate)	GC-MS
13	cis-Sabinene hydrate	0.07	0.01%	% (Peak rate)	GC-MS
14	$\alpha$ -Terpinolene	0.20	0.01%	% (Peak rate)	GC-MS
15	trans-Sabinene hydrate	0.08	0.01%	% (Peak rate)	GC-MS
16	$\alpha$ -Linalool	1.76	0.01%	% (Peak rate)	GC-MS
17	trans-Pinocarveol	0.16	0.01%	% (Peak rate)	GC-MS
18	1-Terpineol	0.08	0.01%	% (Peak rate)	GC-MS
19	Sabinaketone	0.02	0.01%	% (Peak rate)	GC-MS
20	Pinocarvone	0.10	0.01%	% (Peak rate)	GC-MS
21	1-Borneol	0.17	0.01%	% (Peak rate)	GC-MS
22	p-Menth-1en-8-ol	0.19	0.01%	% (Peak rate)	GC-MS
23	4-Terpineol	2.87	0.01%	% (Peak rate)	GC-MS
24	$\alpha$ -Terpineol	1.11	0.01%	% (Peak rate)	GC-MS
25	Linalyl acetate	0.36	0.01%	% (Peak rate)	GC-MS
26	4-Thujen-2- $\alpha$ -yl	0.11	0.01%	% (Peak rate)	GC-MS
27	Bornyl acetate	0.59	0.01%	% (Peak rate)	GC-MS
28	2-Undecanone	0.25	0.01%	% (Peak rate)	GC-MS
29	Sabinyl acetate	0.10	0.01%	% (Peak rate)	GC-MS
30	Ocimenyl acetate	0.67	0.01%	% (Peak rate)	GC-MS
31	trans-3-Caren-2-ol	0.05	0.01%	% (Peak rate)	GC-MS
32	Bicycloelemene	0.05	0.01%	% (Peak rate)	GC-MS
33	trans-Carveol	0.11	0.01%	% (Peak rate)	GC-MS
34	$\alpha$ -Terpinenyl acetate	11.96	0.01%	% (Peak rate)	GC-MS
35	Eugenol	0.31	0.01%	% (Peak rate)	GC-MS
36	$\alpha$ -Ylangene	0.05	0.01%	% (Peak rate)	GC-MS
37	$\alpha$ -Copaene	0.03	0.01%	% (Peak rate)	GC-MS
38	Neryl acetate	0.05	0.01%	% (Peak rate)	GC-MS
39	$\alpha$ -Elemene	0.16	0.01%	% (Peak rate)	GC-MS
40	trans-Caryophyllene	0.15	0.01%	% (Peak rate)	GC-MS
41	Methyleugenol	0.98	0.01%	% (Peak rate)	GC-MS
42	$\alpha$ -Gurjunene	0.08	0.01%	% (Peak rate)	GC-MS
43	$\alpha$ -Selinene	0.08	0.01%	% (Peak rate)	GC-MS
44	$\alpha$ -Muurolool	0.09	0.01%	% (Peak rate)	GC-MS
45	e-Cadinene	0.13	0.01%	% (Peak rate)	GC-MS
46	(+)-Spathulenol	0.04	0.01%	% (Peak rate)	GC-MS
47	Caryophyllene oxide	0.13	0.01%	% (Peak rate)	GC-MS
48	$\alpha$ -Eudesmol	0.03	0.01%	% (Peak rate)	GC-MS
49	Other Compounds	1.34	0.01%	% (Peak rate)	GC-MS
<b>Total</b>		<b>100.00</b>			

**NOTE 1:** This analysis report cannot be used in judicial-administrative procedures and for advertising purposes.

**NOTE 2:** No part of this analysis report can be used alone or separately.

**NOTE 3:** The results of the analysis are valid for the sample mentioned above.

**NOTE 4:** Our reports cannot be reproduced and published without our permission. Unsigned reports are invalid.

Head of Sample Acceptance and Reporting  
Academician Osman BODUR

Laboratory Manager  
Academician Taner ERKAYMAZ