



Report Number 2507094  
Report Date 24.07.2025

PRIVATE REQUEST ANALYSIS REPORT

Purpose of Analysis  
Request Submitted By  
Date the sample was taken  
Date of the experiment  
Name and identity of test item  
Production date

Content Analysis with GC-MS  
Balkan Tibbi Tarim San. ve Tic. Ltd. Sti.  
23.07.2025  
23.07.2025  
Lavender Oil-(Lavandula angustifolia)-II  
26.06.2025

TEST RESULTS

No	Detected Active Substance	% Quantity	Measurement Limit	Unit	Analysis Method
1	$\alpha$ -Thujene	0.01	0.01%	% (Peak rate)	GC-MS
2	$\alpha$ -Pinene	0.07	0.01%	% (Peak rate)	GC-MS
3	Camphene	0.02	0.01%	% (Peak rate)	GC-MS
4	$\beta$ -Pinene	0.02	0.01%	% (Peak rate)	GC-MS
5	1-Octen-3-ol	0.04	0.01%	% (Peak rate)	GC-MS
6	3-Octanone	0.05	0.01%	% (Peak rate)	GC-MS
7	$\alpha$ -Myrcene	1.28	0.01%	% (Peak rate)	GC-MS
8	3-Octanol	0.02	0.01%	% (Peak rate)	GC-MS
9	$\alpha$ -Terpinene	0.04	0.01%	% (Peak rate)	GC-MS
10	1-Hexyl acetate	0.04	0.01%	% (Peak rate)	GC-MS
11	$\alpha$ -Phellandrene	0.07	0.01%	% (Peak rate)	GC-MS
12	dl-Limonene	0.28	0.01%	% (Peak rate)	GC-MS
13	1,8-Cineole (Eucalyptol)	0.23	0.01%	% (Peak rate)	GC-MS
14	Cis- $\beta$ -Ocimene	2.48	0.01%	% (Peak rate)	GC-MS
15	trans- $\beta$ -Ocimene	2.16	0.01%	% (Peak rate)	GC-MS
16	$\gamma$ -Terpinene	0.07	0.01%	% (Peak rate)	GC-MS
17	cis-Sabinene hydrate	0.02	0.01%	% (Peak rate)	GC-MS
18	cis-Linalool oxide	0.02	0.01%	% (Peak rate)	GC-MS
19	$\alpha$ -Terpinolene	0.20	0.01%	% (Peak rate)	GC-MS
20	trans-Linalool oxide	0.03	0.01%	% (Peak rate)	GC-MS
21	$\alpha$ -Linalool	25.76	0.01%	% (Peak rate)	GC-MS
22	1-Octen-3-yl acetate	0.33	0.01%	% (Peak rate)	GC-MS
23	Allocimene	0.72	0.01%	% (Peak rate)	GC-MS
24	Camphor	0.03	0.01%	% (Peak rate)	GC-MS
25	n-Hexyl isobutyrate	0.06	0.01%	% (Peak rate)	GC-MS
26	Borneol	0.56	0.01%	% (Peak rate)	GC-MS
27	(-)-Lavandulol	0.47	0.01%	% (Peak rate)	GC-MS
28	4-Terpineol	4.66	0.01%	% (Peak rate)	GC-MS
29	Cryptone	0.05	0.01%	% (Peak rate)	GC-MS
30	$\alpha$ -Terpineol	4.14	0.01%	% (Peak rate)	GC-MS
31	Hexyl butanoate	0.40	0.01%	% (Peak rate)	GC-MS
32	Bornyl formate	0.10	0.01%	% (Peak rate)	GC-MS
33	Geraniol	0.76	0.01%	% (Peak rate)	GC-MS
34	Cuminic aldehyde	0.13	0.01%	% (Peak rate)	GC-MS
35	d-Carvone	0.04	0.01%	% (Peak rate)	GC-MS
36	Hexyl-2-methyl butyrate	0.04	0.01%	% (Peak rate)	GC-MS
37	Hexyl isovalerate	0.02	0.01%	% (Peak rate)	GC-MS
38	Linalyl acetate	25.64	0.01%	% (Peak rate)	GC-MS
39	Endobornyl acetate	0.23	0.01%	% (Peak rate)	GC-MS
40	Lavandulyl acetate	7.98	0.01%	% (Peak rate)	GC-MS
41	Hexyl tiglate	0.23	0.01%	% (Peak rate)	GC-MS
42	Neryl Acetate	1.93	0.01%	% (Peak rate)	GC-MS
43	$\alpha$ -Bourbonene	0.05	0.01%	% (Peak rate)	GC-MS
44	Zingiberene	0.05	100.01%	% (Peak rate)	GC-MS
45	Geranyl Acetate	3.73	0.01%	% (Peak rate)	GC-MS
46	Hexyl hexoate	0.10	0.01%	% (Peak rate)	GC-MS
47	trans-Caryophyllene	5.56	0.01%	% (Peak rate)	GC-MS
48	Santalol	0.45	0.01%	% (Peak rate)	GC-MS
49	$\alpha$ -Bergamotene	0.17	0.01%	% (Peak rate)	GC-MS
50	$\alpha$ -Humulene	0.28	0.01%	% (Peak rate)	GC-MS
51	trans- $\alpha$ -Farnesene	5.52	0.01%	% (Peak rate)	GC-MS
52	Germacrene-D	0.50	0.01%	% (Peak rate)	GC-MS
53	Geranyl isovalerate	0.18	0.01%	% (Peak rate)	GC-MS
54	Caryophyllene oxide	0.48	0.01%	% (Peak rate)	GC-MS
55	$\alpha$ -Cadinol	0.10	0.01%	% (Peak rate)	GC-MS
56	Other Compounds	1.40	0.01%	% (Peak rate)	GC-MS
<b>Total</b>		<b>100.00</b>			

As a result of the examinations and analyzes carried out, the above mentioned compounds were determined.

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.

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