

Client

Nature's FUSIONS
ESSENTIAL OILS

Source

Jasmine Absolute (*Jasminum grandiflorum*)
NF-JASM-19-A

Sample

Jasmine Absolute (*Jasminum grandiflorum*)

Batch #:..... NF-JASM-19-A

Type:..... Essential Oil

CAS Number:.... 8022-96-6

Nature's Fusions

Client

Nature's FUSIONS
ESSENTIAL OILS

Website

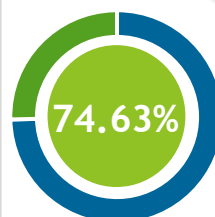
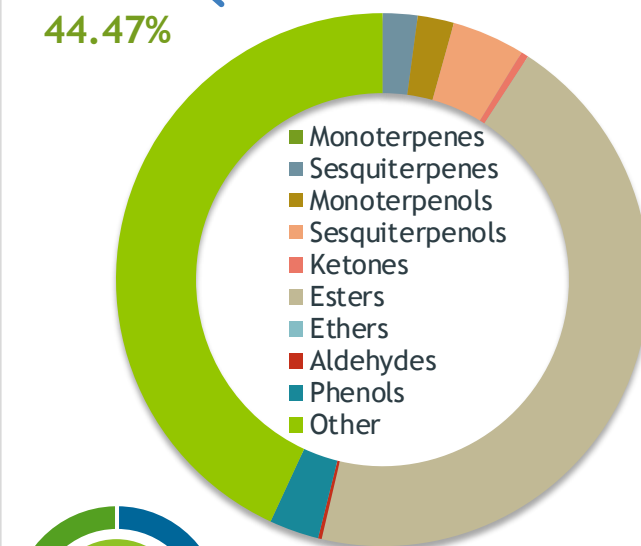


Primary

11.28%Methyl linolenate10.88%Benzyl acetate9.97%Phytol acetate

Esters

44.47%

Percentage
Identified

Result

APPROVED

Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine essential oil of Jasmine Absolute (*Jasminum grandiflorum*)

Internal Number: | EVS-2883



Essential Validation Services

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Monoterpenes	0.01%
Sesquiterpenes	2.11%
Monoterpenols	2.20%
Sesquiterpenols	4.43%
Ketones	0.45%
Esters	44.47%
Ethers	0.00%
Aldehydes	0.22%
Phenols	3.01%
Other	43.10%

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Source



Jasmine Absolute (Jasminum grandiflorum)
 NF-JASM-19-A

Total Percentage		74.63%			
Number	RT	Area %	Compound Name	RI	Chemical Family
1	9.80	0.03%	cis-Hex-3-en-1-ol	850.00	Aliphatic Alcohol
2	14.06	0.01%	Benzaldehyde	958.00	Simple Phenolic
3	14.95	0.01%	Phenol	983.30	Phenol
4	15.98	0.02%	(Z)-3-Hexenyl acetate	1004.00	Aliphatic Ester
5	16.25	0.01%	Hexyl acetate	1009.00	Aliphatic Ester
6	16.90	0.01%	Limonene	1029.50	Monoterpene
7	17.09	1.48%	Benzyl alcohol	1032.00	Simple Phenolic
8	18.78	0.19%	p-Cresol	1078.80	Phenol
9	19.60	0.10%	Methyl benzoate	1096.10	Phenolic Ester
10	19.77	2.20%	Linalool	1099.00	Monoterpenol
11	20.33	0.02%	2-Phenylethanol	1116.30	Simple Phenolic
12	22.33	10.88%	Benzyl acetate	1161.25	Phenolic Ester
13	22.56	0.03%	Ethyl benzoate	1169.00	Phenolic Ester
14	23.48	0.03%	Methyl salicylate	1192.29	Phenolic Ester
15	25.66	0.04%	2-Phenylethyl acetate	1257.00	Phenolic Ester
16	27.00	0.99%	Indole	1293.60	Indole
17	29.15	1.22%	Eugenol	1365.89	Phenylpropanoid
18	30.54	2.08%	trans-Jasmone	1392.00	Jasmonate
19	32.14	0.08%	(E)-Isoeugenol	1460.00	Phenylpropanoid
20	33.48	0.40%	Prenyl benzoate	1484.70	Monoterpene Ester
21	33.89	2.11%	(E,E)-alpha-Farnesene	1508.14	Sesquiterpene
22	35.55	0.25%	(Z)-Nerolidol	1542.25	Sesquiterpenol
23	35.84	1.41%	3-cis-Hexenyl benzoate	1568.00	Monoterpene Ester
24	36.01	0.08%	Hexyl benzoate	1575.00	Phenolic Ester
25	36.53	0.12%	Jasmine unidentified		
26	36.68	0.38%	Jasmine unidentified		
27	38.03	0.92%	cis-Methyl jasmanoate	1654.00	Monoterpene Ester
28	41.37	7.75%	Benzyl benzoate	1752.00	Phenolic Ester
29	43.03	0.22%	Hexadecanal	1813.50	Sesquiterpene Aldehyde
30	43.19	0.45%	Phytone	1854.00	Aliphatic Ketone
31	44.11	0.23%	Benzyl salicylate	1861.00	Phenolic Ester
32	45.19	1.32%	Methyl palmitate	1924.67	Fatty Acid Ester
33	45.79	9.40%	Isophytol	1954.50	Diterpenol
34	47.78	4.18%	Geranyl Linalool	2026.00	Sesquiterpenol
35	49.38	3.16%	Methyl 9,12-octadecadienoate		



Jasmine Absolute (Jasminum grandiflorum)

NF-JASM-19-A

[illegible]



Essential Validation Services



Sample:

Client: | Nature's Fusions
Sample: | Jasmine Absolute (Jasmine grandiflorum)
Batch # | 5132016
CAS Number | 8022-96-6
Type: | Essential Oil

Conclusion:

- No adulterants, diluents, or contaminants were detected via this method.



X 

Validated By:

Essential Validation Services

747 SW 2nd Ave, Gainesville, FL 32601

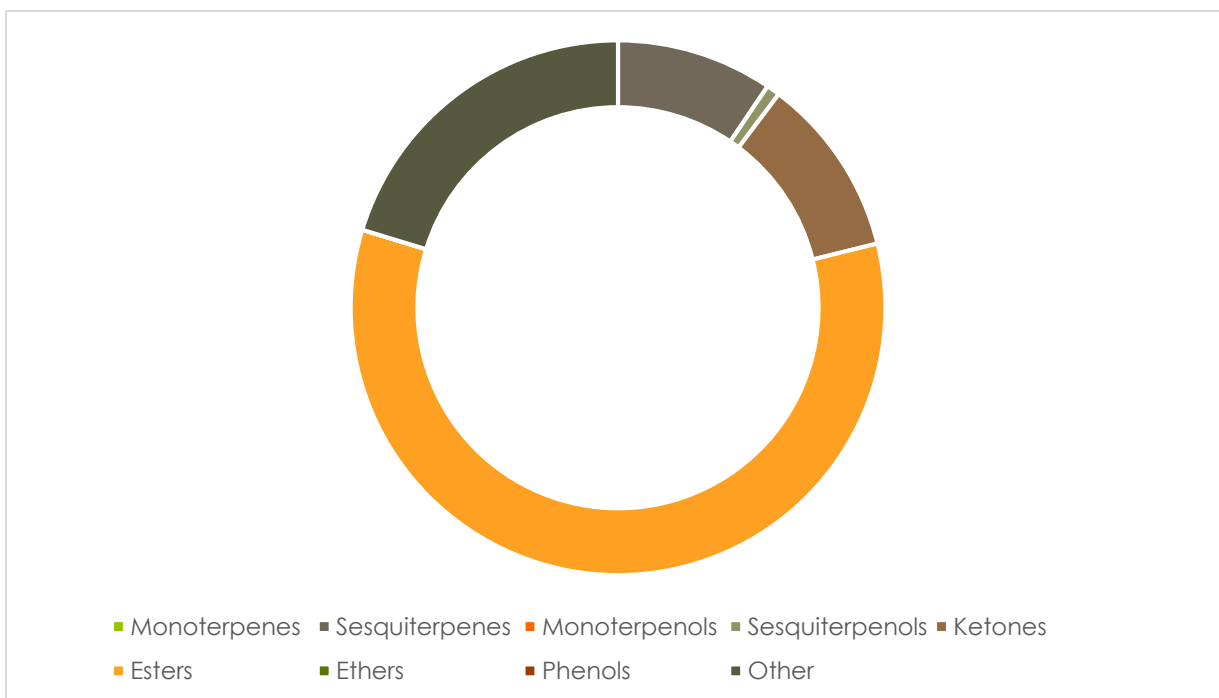
Phone: 317-361-5044 E-mail: Adam@essentialvalidationservices.com

Summary of Analyses

A fresh sample of Jasmine Absolute (Jasmine grandiflorum) Essential Oil (10 uL in .5to.5 mL Hexane + ETOH) was prepared and analyzed via split injection GC/EI-MS.

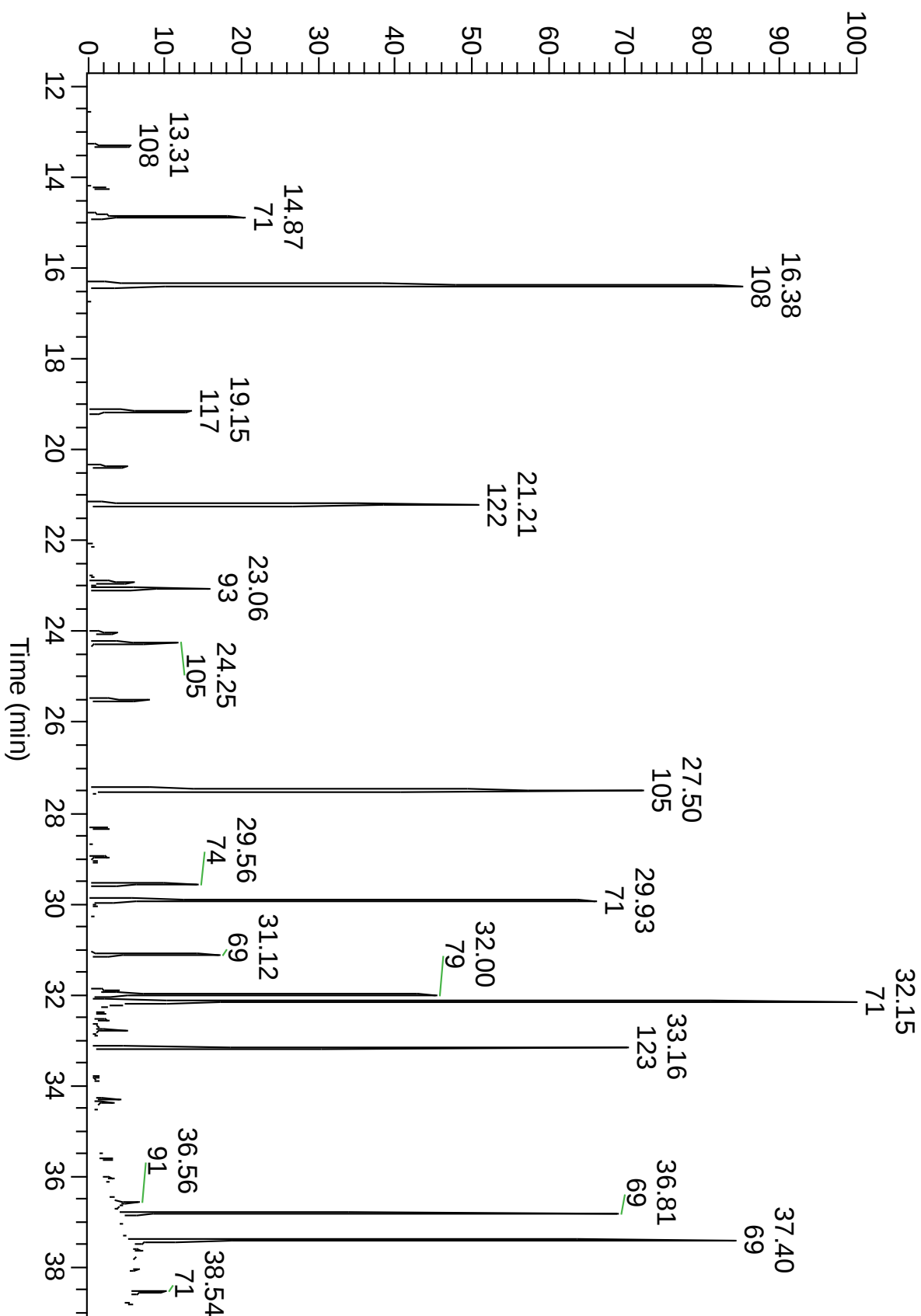
Main Compounds	Percentages
Benzyl acetate	14.45%
Phytol	12.80%
Benzyl benzoate	12.10%
Isophytol	8.09%
UK	7.72%
trans-Jasmone	7.18%
Phytyl acetate	5.86%
Squalene	5.46%
Methyl linoleate	5.31%
Methyl benzoate	2.80%
Farnesene (unknown ison	1.96%
Indole	1.93%
(Z,E)-alpha-Farnesene	1.79%

Monoterpenes	Sesquiterpenes	Monoterpenols	Sesquiterpenols	Ketones
0.00%	7.25%	0.00%	0.62%	8.33%
Esters	Ethers	Aldehydes	Phenols	Other
44.89%	0.00%	0.00%	1.96%	15.55%





RT: 11.69 - 39.28



Total Percentage	99.49%				
Peak Number	RT	Area %	Compound Name	RI	Chemical Family
1	12.59	0.08%	(Z)-3-Hexenyl acetate	1009.00	Esters
2	13.31	0.79%	Benzyl alcohol	1036.90	Phenols
3	14.24	0.38%	p-Cresol	1077.40	Phenols
4	14.87	2.80%	Methyl benzoate	1094.20	Esters
5	16.38	14.45%	Benzyl acetate	1163.00	Esters
6	16.76	0.06%	(Z)-3-Hexenyl butyrate	1187.25	Esters
7	19.15	1.93%	Indole	1293.60	Indole
8	20.37	0.66%	Eugenol	1365.89	Phenols
9	21.21	7.18%	trans-Jasmone	1388.00	Ketones
10	22.11	0.13%	Isoeugenol	1460.00	Phenols
11	22.92	0.87%	Jasmin lactone	1485.00	Ketones
12	23.06	1.79%	(Z,E)-alpha-Farnesene	1500.50	Sesquiterpenes
13	24.03	0.62%	(E)-Nerolidol	1542.25	Sesquiterpenols
14	24.25	1.52%	(Z)-3-Hexenyl benzoate	1571.14	Esters
15	24.34	0.04%	(E)-3-Hexenyl benzoate	1583.00	Esters
16	25.51	0.94%	(Z)-Methyl jasmonate	1654.00	Esters
17	26.00	0.05%	(E)-Methyl jasmonate	#N/A	#N/A
18	27.50	12.10%	Benzyl benzoate	1761.14	Esters
19	28.33	0.27%	UK	#N/A	#N/A
20	28.97	0.28%	Phytone	1854.00	Ketones
21	29.07	0.17%	Benzyl salicylate	1861.00	Esters
22	29.56	1.52%	Methyl palmitate	1924.67	Esters
23	29.93	8.09%	Isophytol	1954.50	Diterpenols
24	30.03	0.17%	UK	#N/A	#N/A
25	30.24	0.10%	UK	#N/A	#N/A
26	30.51	0.04%	Ethyl palmitate	1994.25	Esters
27	31.12	1.96%	Farnesene (unknown isomer)	#N/A	#N/A
28	31.91	0.47%	UK	#N/A	#N/A
29	32.00	5.31%	Methyl linoleate	2096.25	Esters
30	32.15	12.80%	Phytol	2117.25	Diterpenols
31	32.40	0.27%	UK	#N/A	#N/A
32	32.47	0.10%	UK	#N/A	#N/A
33	32.55	0.31%	UK	#N/A	#N/A
34	32.66	0.10%	UK	#N/A	#N/A
35	32.71	0.13%	UK	#N/A	#N/A
36	32.78	0.43%	UK	#N/A	#N/A
37	32.88	0.09%	UK	#N/A	#N/A
38	33.16	5.86%	Phytyl acetate	2221.00	Esters
39	34.30	0.28%	UK	#N/A	#N/A
40	34.37	0.18%	UK	#N/A	#N/A
41	36.56	0.29%	UK	#N/A	#N/A
42	36.81	5.46%	Squalene	2831.00	Sesquiterpenes



ESSENTIAL VALIDATION SERVICES | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044