



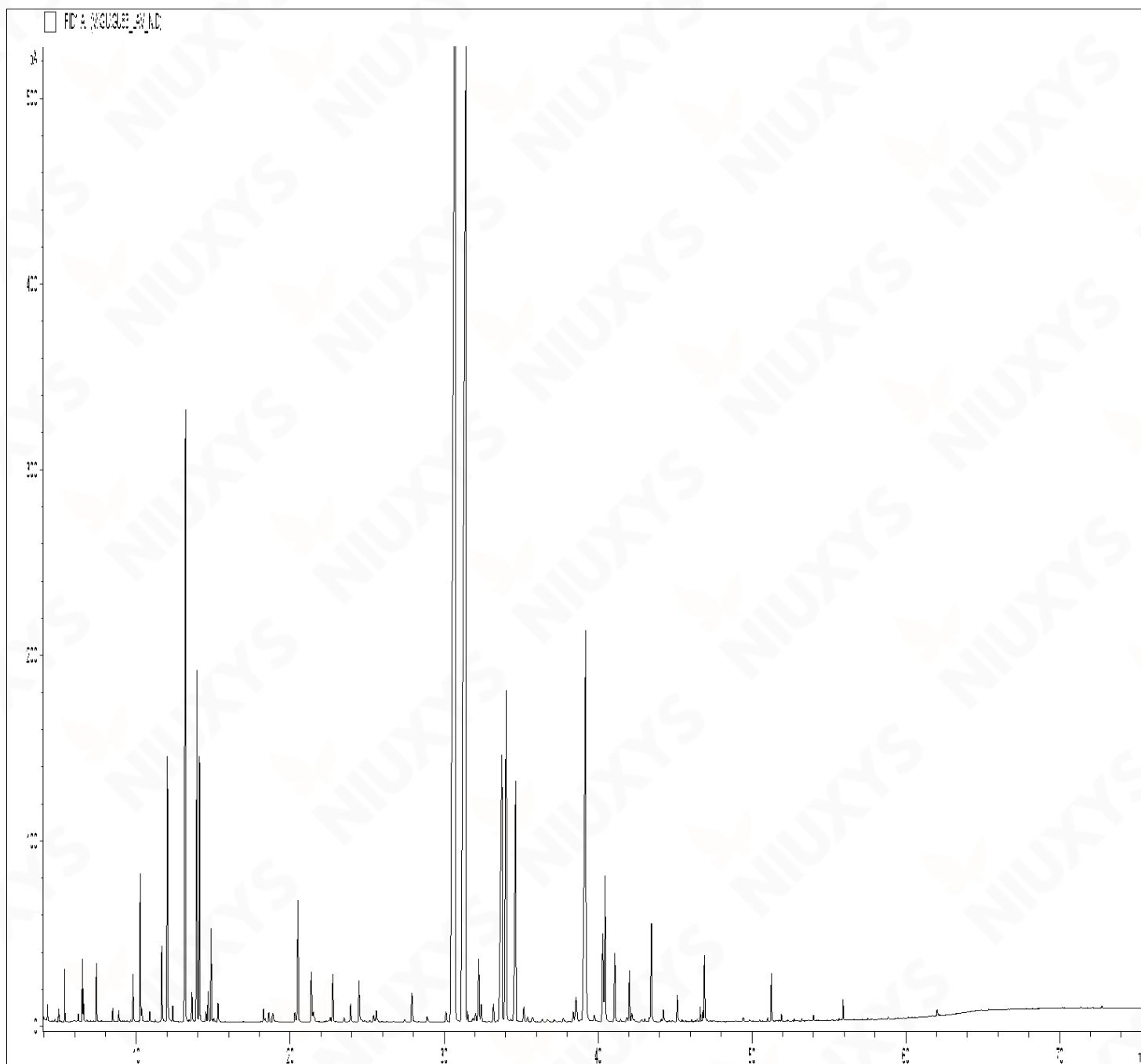
NIUXYS

ESSENTIAL OILS

GCMS ANALYSIS

PRODUCT NAME: LAVENDER ESSENTIAL OIL (BULGARIA)

DATE: March 9, 2022



Due to Volume turnover, this report is not lot specific, it is representative of the quality of this oil produced by the manufacturer or this product. Specific lots may Vary slightly as is the case in natural products

GCMS ANALYSIS

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DATE: March 9, 2022

Peak	RT (min)	Compound name	%
1	4,93	2-METHYLBUTANAL	0,02
2	4,96	ISOVALERALDEHYDE	0,06
3	5,34	HEXANE, 1-METHOXY-	0,20
4	6,22	TRICYCLEN	0,04
5	6,49	alpha-PINENE	0,29
6	6,55	alpha-THUYENE	0,17
7	7,40	CAMPHENE	0,32
8	8,46	beta-PINENE	0,08
9	8,86	SABINENE	0,07
10	9,78	delta3-CARENE	0,32
11	10,25	beta-MYRCENE	0,88
12	10,35	alpha-PHELLANDRENE	0,11
13	10,86	alpha-TERPINENE	0,07
14	11,22	2,3-DEHYDRO-1,8-CINEOLE	0,01
15	11,65	LIMONENE	0,59
16	12,01	1,8-CINEOLE	2,03
17		beta-PHELLANDRENE	
18	12,36	BUTYL BUTYRATE	0,11
19	13,19	cis-beta-OCIMENE	5,17
20	13,44	trans-ARBUSCULON	0,02
21	13,61	gamma-TERPINENE	0,24
22	13,94	trans-beta-OCIMENE	2,63
23	14,10	3-OCTANONE	1,82
24	14,52	m-CYMENE	0,07
25	14,65	p-CYMENE	0,23
26	14,86	HEXYL ACETATE	0,63
27	15,03	ISOTERPINOLENE	0,03
28	15,31	TERPINOLENE	0,15
29	18,26	3-OCTANOL ACETATE	0,11
30	18,36	HEXYL PROPIONATE	0,03

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GCMS ANALYSIS (cont'd)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (BULGARIA)

Peak	RT (min)	Compound name	%
31	18,61	HEXYL METHYLPROPIONATE	0,08
32	18,86	1-HEXANOL	0,12
33	20,30	ALLO-OCIMENE	0,10
34	20,45	3-HEXEN-1-OL	0,02
35	20,50	1-OCTEN-3-YL ACETATE	0,99
36	21,37	3-OCTANOL	0,47
37	21,50	GALBANOLENE	0,10
38	22,50	PERILLENE	0,02
39	22,60	BUTYL CAPROATE	0,05
40	22,77	HEXYL BUTYRATE	0,44
41	23,45	alpha-p-DIMETHYLSTYRENE	0,01
42	23,50	HEXYL 2-METHYLBUTYRATE	0,03
43	23,92	LINALOOL cis-OXIDE	0,17
44	24,46	1-OCTEN-3-OL	0,42
45	24,81	ALIPHATIC ESTER	0,02
46	25,42	trans-THUYANOL	0,07
47	25,59	LINALOOL trans-OXIDE	0,11
48	25,65	ALIPHATIC ESTER	0,03
49	27,43	alpha-COPAENE	0,03
50	27,90	CAMPHOR	0,33
51	28,89	beta-BOURBONENE	0,07
52	30,12	BERGAMOTENE ISOMER	0,12
53	30,73	LINALOOL	29,72
54	31,41	LINALYL ACETATE	23,03
55	31,52	BERGAMOTENE ISOMER	0,09
56	31,88	SESQUITERPENE	0,07
57	32,05	alpha-cis-BERGAMOTENE	0,10
58	32,24	alpha-SANTALENE	0,64
59	32,40	BORNYL ACETATE	0,18
60	32,91	SESQUITERPENE	0,02

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GCMS ANALYSIS (cont'd)

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Peak	RT (min)	Compound name	%
61	33,20	alpha-trans-BERGAMOTENE	0,18
62	33,75	beta-CARYOPHYLLENE	4,37
63	34,03	TERPINENE-4-OL	4,01
64	34,32	TERPENIC COMPOUND	0,04
65	34,65	LAVANDULYL ACETATE	3,11
66	35,18	HEXYL CAPROATE	0,17
67	35,42	cis-p-MENTH-2-EN-1-OL	0,07
68	35,72	HEXYL TIGLATE	0,09
69	36,37	epi-beta-SANTALENE	0,04
70	36,72	GERMACRENE A	0,04
71	37,15	trans-PINOCARVEOL	0,02
72	37,18	FARNESENE ISOMER	0,02
73	37,44	FARNESENE ISOMER	0,02
74	37,74	FARNESENE ISOMER	0,05
75	38,40	alpha-HUMULENE	0,11
76	38,57	CRYPTONE	0,20
77	38,58	FARNESENE ISOMER	0,19
78	38,90	delta-TERPINEOL	0,04
79	39,19	E-beta-FARNESENE	5,90
80	39,24	LAVANDULOL	0,35
81	39,76	Z-beta-FARNESENE	0,12
82	40,31	BORNEOL	0,92
83	40,46	alpha-TERPINEOL	1,36
84	41,09	GERMACRENE D	0,66
85	41,47	PELLANDRAL	0,03
86	41,85	CARVONE	0,03
87	41,89	MENTHADIENOL ISOMER	0,04
88	42,04	NERYL ACETATE	0,40
89	42,19	beta-BISABOLENE	0,11
90	42,33	PYRANIC LINALOOL cis-OXIDE	0,04

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GCMS ANALYSIS (cont'd)

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Peak	RT (min)	Compound name	%
91	42,83	SESQUITERPENE	0,04
92	43,03	SESQUITERPENE	0,03
93	43,33	Z,E-alpha-FARNESENE	0,03
94	43,42	gamma-CADINENE	0,31
95	43,47	GERANYL ACETATE	0,62
96	43,53	PYRANIC LINALOOL trans-OXIDE	0,03
97	44,11	beta-SESQUIPHELLANDRENE	0,03
98	44,24	CUMINAL	0,14
99	44,63	p-MENTHA-1,3-DIEN-7-AL	0,02
100	44,83	alpha-AMORPHENE	0,02
101	45,15	NEROL	0,24
102	45,45	cis-EPOXYLINALYL ACETATE	0,02
103	45,68	trans-EPOXYLINALYL ACETATE	0,01
104	46,08	3,5,7-OCTATRIENE-2-OL, E,E-2,6-DIMETHYL-	0,01
105	46,31	CALAMENENE	0,01
106	46,44	trans-CARVEOL	0,03
107	46,64	m-CYMENE-8-OL	0,09
108	46,82	p-CYMENE-8-OL	0,07
109	46,91	GERANIOL	0,52
110	47,11	BUTYL BENZOATE	0,02
111	47,52	PHENYLMETHYL BUTYRATE	0,02
112	49,41	PIPERITENONE	0,02
113	49,45	HUMULENE EPOXIDE	0,03
114	49,82	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL	0,01
115	49,91	DENDROLASIN	0,01
116	51,02	ISOCARYOPHYLLENE EPOXIDE	0,03
117	51,26	CARYOPHYLLENE EPOXIDE	0,32
118	51,91	alpha-PHOTOSANTALOL A	0,05
119	52,75	NEROLIDOL	0,01
120	53,25	CUBENOL	0,02

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Peak	RT (min)	Compound name	%
121	53,99	CUMINOL	0,05
122	55,92	T-CADINOL	0,13
123	57,52	GERANYL-alpha-TERPINENE	0,01
124	58,85	AROMATIC COMPOUND	0,02
125	62,02	COUMARIN	0,07
126	72,74	AROMATIC COMPOUND	0,02
		TOTAL	99,95

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