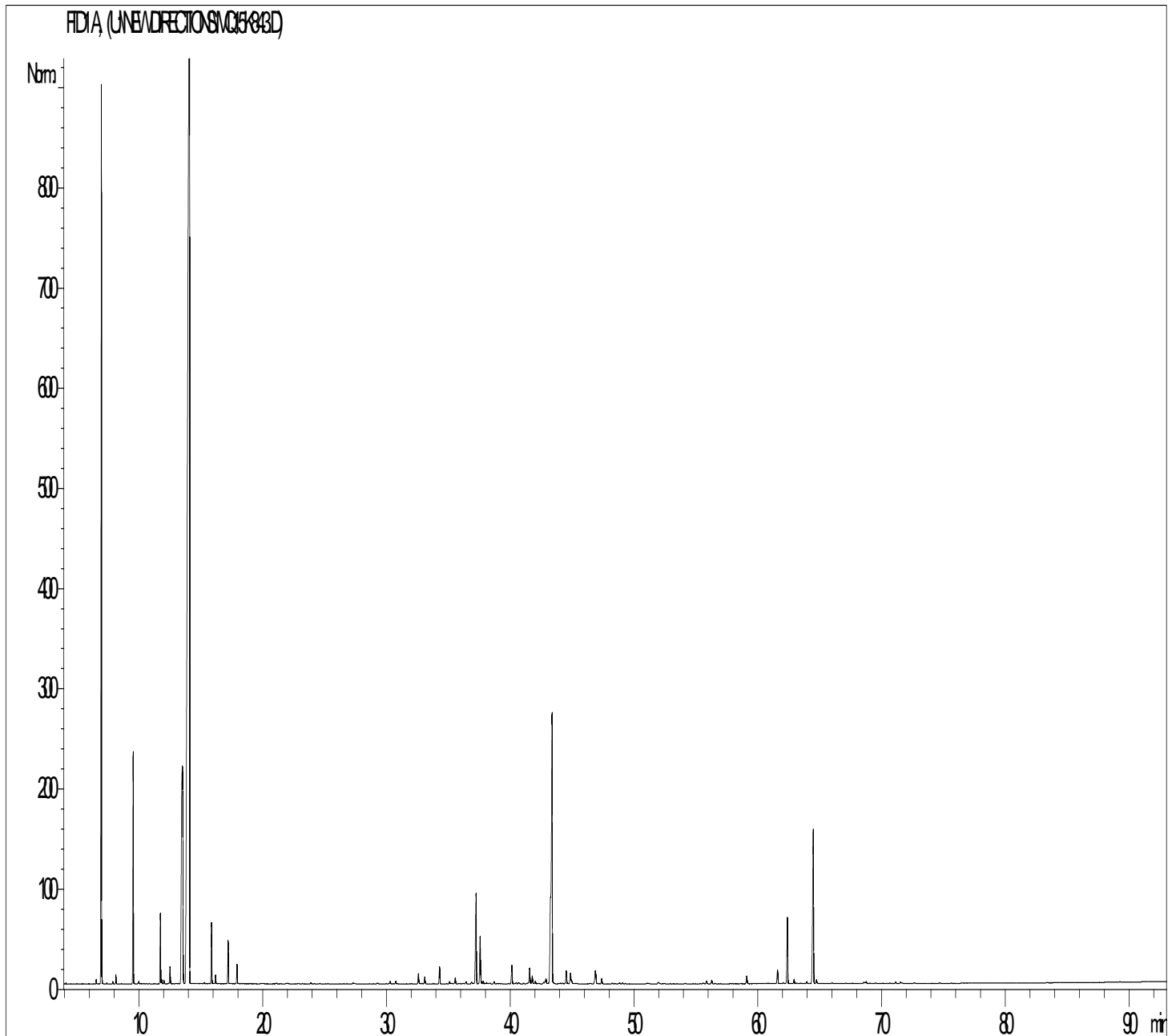




GCMS ANALYSIS

PRODUCT NAME: NIAOULI ESSENTIAL OIL - 11100

DATE: April 20, 2017



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

GCMS ANALYSIS (cont'd.)
PRODUCT NAME: NIAOULI ESSENTIAL OIL - 11100

Peak	RT (min)	Component name	%
1	4,1	ACETONE	0,01
2	4,9	BUTANAL, 2-METHYL	0,01
3	5,0	ISOVALERALDEHYDE	0,01
4	5,1	ETHANOL	0,01
5	5,4	BENZENE	0,01
6	5,5	FURAN, 2-ETHYL	0,01
7	6,5	METHYL-2-METHYLBUTYRATE	0,04
8	6,6	TRICYCLENE	0,01
9	6,7	METHYL ISOVALERATE	0,01
10	6,9	α-PINENE	10,78
11	7,0	α-THUYENE	0,13
12	7,1	PRENOL	0,01
13	7,4	TOLUENE	0,01
14	7,8	α-FENCHENE	0,03
15	8,1	CAMPHENE	0,09
16	9,5	β-PINENE	2,95
17	9,9	SABINENE	0,03
18	10,0	p-XYLENE	0,01
19	11,7	β-MYRCENE	1,01
20	11,8	α-PHELLANDRENE	0,06
21	12,0	ψ-LIMONENE	0,05
22	12,5	α-TERPINENE	0,29
23	13,5	LIMONENE	8,20
24	14,0	1-8,CINEOLE	53,04
25	15,3	Cis-β-OCIMENE	0,02
26	15,9	γ-TERPINENE	0,91
27	16,0	MENTHATRIENE ISOMER	0,01
28	16,2	Trans-β-OCIMENE	0,12
29	16,4	STYRENE	0,01
30	17,1	p-CYMENE	0,66
31	17,9	TERPINOLENE	0,30
32	20,0	PINOL	0,01

Disclaimer & Caution

Please refer to the Material Safety Data Sheet (MSDS) and all other relevant technical information specific to the product, prior to use. The user of this product is solely responsible for determining the suitability of the product for their particular use and to be in compliance with all laws and regulations applying to the use of this product. New Directions Aromatics Inc. shall not be held responsible for any damages or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge, wrongful application or the improper handling or use of this product. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The information on the New Directions Aromatics Inc. website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.

GCMS ANALYSIS (cont'd.)
PRODUCT NAME: NIAOULI ESSENTIAL OIL - 11100

Peak	RT (min)	Component name	%
33	21,1	5-HEPTEN-2-ONE, 6-METHYL-	0,01
34	22,0	ROSE Cis-OXIDE	0,01
35	22,9	ROSE Trans-OXIDE	0,01
36	23,8	3-HEXEN-1-OL	0,02
37	27,3	α ,p-DIMETHYLSTYRENE	0,02
38	27,5	LINALOOL Cis-OXIDE	0,01
39	29,2	LINALOOL Trans-OXIDE + α -CUBEBENE	0,01
40	30,3	SESQUITERPENE	0,05
41	30,7	α -COPAENE	0,05
42	32,5	BENZALDEHYDE	0,19
43	33,1	α -GURJUNENE	0,13
44	34,3	LINALOOL	0,30
45	35,1	NEOISOPULEGOL	0,04
46	35,3	1-OCTANOL + DIMETHYL SULFOXIDE	0,01
47	35,5	ISOPULEGOL	0,12
48	35,8	SESQUITERPENE	0,01
49	36,1	BORNYL ACETATE	0,01
50	36,4	FENCHOL	0,04
51	36,8	β -ELEMENE + HYDRATE DE CAMPHENE	0,04
52	37,2	β -CARYOPHYLLENE	2,03
53	37,5	TERPINENE-4-OL	0,99
54	37,8	SELINADIENE ISOMER	0,05
55	38,0	AROMADENDRENE	0,04
56	38,3	SESQUITERPENE	0,02
57	38,7	METHYL BENZOATE	0,04
58	38,9	MYRTENAL	0,01
59	39,1	MENTHADIENOL ISOMER	0,01
60	39,3	SESQUITERPENE	0,01
61	40,1	SESQUITERPENE	0,03
62	40,4	ALLO-AROMADENDRENE	0,38
63	40,6	TERPENIC ACETATE	0,03
64	40,7	SESQUITERPENE	0,01

Disclaimer & Caution

Please refer to the Material Safety Data Sheet (MSDS) and all other relevant technical information specific to the product, prior to use. The user of this product is solely responsible for determining the suitability of the product for their particular use and to be in compliance with all laws and regulations applying to the use of this product. New Directions Aromatics Inc. shall not be held responsible for any damages or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge, wrongful application or the improper handling or use of this product. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The information on the New Directions Aromatics Inc. website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.

GCMS ANALYSIS (cont'd.)
PRODUCT NAME: NIAOULI ESSENTIAL OIL - 11100

Peak	RT (min)	Component name	%
65	41,0	ZONARENE + ETHYL BENZOATE	0,01
66	41,4	CITRONELLYL ACETATE	0,02
67	41,5	α -HUMULENE	0,33
68	41,7	δ -TERPINEOL	0,15
69	42,0	γ -SELINENE	0,06
70	42,2	SESQUITERPENE	0,01
71	42,7	SESQUITERPENE	0,03
72	42,8	NERAL	0,04
73	42,9	γ -MUUROLENE	0,11
74	43,3	TERPENYL ACETATE	1,96
75	43,3	α -TERPINEOL	6,00
76	43,4	BORNEOL	0,03
77	44,0	SESQUITERPENE	0,03
78	44,3	SESQUITERPENE	0,02
79	44,5	β -SELINENE	0,27
80	44,6	CADINADIENE ISOMER	0,01
81	44,8	α -SELINENE	0,25
82	44,9	α -MUUROLENE	0,06
83	45,1	CARVONE	0,01
84	45,3	GERANIAL	0,01
85	45,4	BICYCLOGERMACRENE	0,01
86	46,5	α -FARNESENE	0,01
87	46,8	δ -CADINENE	0,28
88	46,9	γ -CADINENE	0,11
89	47,0	7-epi- α -SELINENE	0,01
90	47,4	CITRONELLOL	0,10
91	48,2	CADINA-1,4-DIENE	0,02
92	48,8	MYRTENOL + α -AMORPHENE	0,03
93	49,0	SESQUITERPENE Mw=202	0,02
94	49,3	NEROL	0,01
95	51,1	SESQUITERPENE Mw=202	0,01

Disclaimer & Caution

Please refer to the Material Safety Data Sheet (MSDS) and all other relevant technical information specific to the product, prior to use. The user of this product is solely responsible for determining the suitability of the product for their particular use and to be in compliance with all laws and regulations applying to the use of this product. New Directions Aromatics Inc. shall not be held responsible for any damages or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge, wrongful application or the improper handling or use of this product. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The information on the New Directions Aromatics Inc. website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: NIAOULI ESSENTIAL OIL - 11100

Peak	RT (min)	Component name	%
96	51,2	CALAMENENE	0,02
97	51,9	GERANIOL	0,03
98	52,0	p-CYMENE-8-OL	0,02
99	52,5	Exo-2-HYDROXYCINEOLE	0,01
100	54,1	Cis-CARVEOL	0,01
101	55,6	COMPOUND Mw=220	0,02
102	55,8	METHYL THIO BENZOATE	0,06
103	56,3	PALUSTROL	0,07
104	56,6	SESQUITERPENIC EPOXIDE	0,01
105	59,1	CARYOPHYLLENE EPOXIDE	0,17
106	60,0	Trans-JASMONE	0,01
107	60,4	SESQUITERPENOL	0,01
108	60,8	SESQUITERPENOL	0,01
109	61,6	LEDOL	0,29
110	62,0	EPOXY-6,7-HUMULENE	0,03
111	62,4	NEROLIDOL	1,29
112	62,7	CARYOPHYLLENOL	0,01
113	62,9	GLEENOL	0,09
114	63,1	EPI-CUBENOL	0,01
115	63,4	CUBENOL	0,02
116	63,9	GLOBULOL	0,04
117	64,4	VIRIDIFLOROL	3,69
118	64,7	GUAIOL	0,09
119	65,3	SESQUITERPENIC EPOXIDE	0,01
120	65,5	10-épi-γ-EUDESOL	0,01
121	66,0	ROSIFOLIOL	0,02
122	66,4	SPATHULENOL	0,01
123	67,1	EUDESOL ISOMER	0,01
124	67,6	Cis-1,4-DIHYDRO-p-MENTH-2-ENE	0,01
125	68,5	EUGENOL	0,03
126	68,6	γ-EUDESOL + SESQUITERPENOL	0,02
127	68,7	T-CADINOL	0,05

Disclaimer & Caution

Please refer to the Material Safety Data Sheet (MSDS) and all other relevant technical information specific to the product, prior to use. The user of this product is solely responsible for determining the suitability of the product for their particular use and to be in compliance with all laws and regulations applying to the use of this product. New Directions Aromatics Inc. shall not be held responsible for any damages or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge, wrongful application or the improper handling or use of this product. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The information on the New Directions Aromatics Inc. website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: NIAOULI ESSENTIAL OIL - 11100

Peak	RT (min)	Component name	%
128	69,0	SESQUITERPENOL	0,01
129	69,5	CADINOL ISOMER + SESQUITERPENOL	0,02
130	70,1	SESQUITERPENOL	0,01
131	70,6	SESQUITERPENOL	0,02
132	71,1	α -EUDESMOL	0,03
133	71,5	β -EUDESMOL	0,04
134	71,6	α -CADINOL	0,01
135	72,6	EUDESMA-7-EN-4-OL	0,02
136	74,6	CARYOPHYLLA-3,7-DIEN-6-OL	0,01
137	76,4	SESQUITERPENIC EPOXIDE	0,01
138	78,3	SESQUITERPENIC EPOXIDE	0,01
139	83,3	LAURIC ACID	0,01
140	89,3	BENZYL BENZOATE	0,01
		TOTAL	99,99

Disclaimer & Caution

Please refer to the Material Safety Data Sheet (MSDS) and all other relevant technical information specific to the product, prior to use. The user of this product is solely responsible for determining the suitability of the product for their particular use and to be in compliance with all laws and regulations applying to the use of this product. New Directions Aromatics Inc. shall not be held responsible for any damages or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge, wrongful application or the improper handling or use of this product. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The information on the New Directions Aromatics Inc. website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.