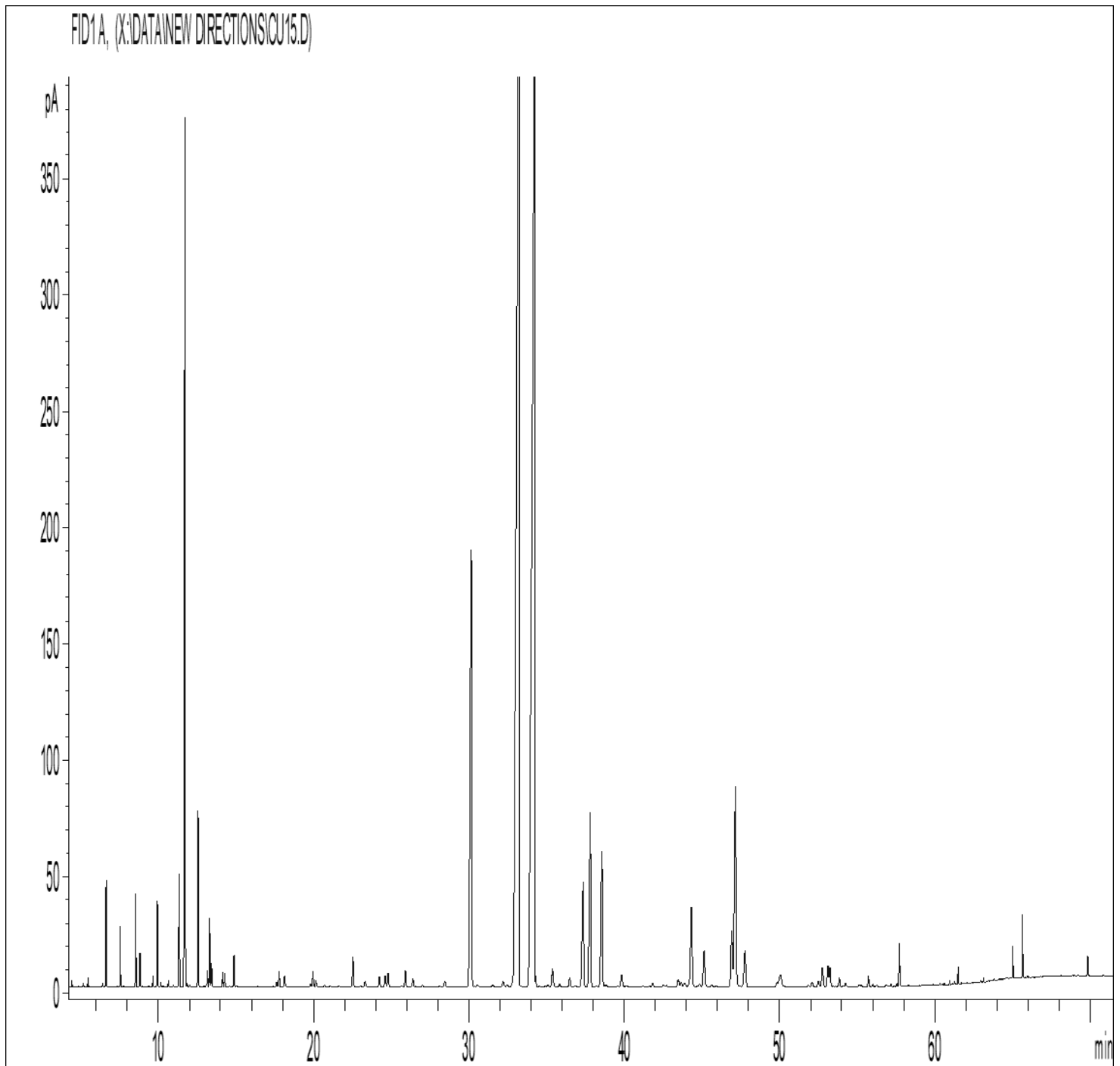




GCMS ANALYSIS

PRODUCT NAME: LAVANDIN GROSSO ESSENTIAL OIL - 11156

DATE: October 27, 2020



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: LAVANDIN GROSSO ESSENTIAL OIL - 11156

Peak	RT (min)	Component name	%
1	5,17	ISOVALERALDEHYDE	0,01
2	5,45	HEXANE, 1-METHOXY-	0,04
3	6,40	TRICYCLENE	0,02
4	6,63	alpha-PINENE	0,57
5	7,54	CAMPHENE	0,33
6	8,54	beta-PINENE	0,55
7	8,82	SABINENE	0,20
8	9,66	delta3-CARENE	0,07
9	9,94	beta-MYRCENE	0,54
10	10,17	alpha-PHELLANDRENE	0,03
11	10,66	alpha-TERPINENE	0,04
12	10,97	1,8-CINEOLE, 2,3-DEHYDRO-	0,02
13	11,35	LIMONENE	0,82
14	11,72	1,8-CINEOLE	7,69
15		beta-PHELLANDRENE	
16	11,86	BUTYL BUTYRATE	0,02
17	12,03	2-HEXENAL	0,02
18	12,56	cis-beta-OCIMENE	1,27
19	13,10	trans-ARBUSCULON	0,02
20	13,17	gamma-TERPINENE	0,13
21	13,30	trans-beta-OCIMENE	0,51
22	13,42	3-OCTANONE	0,17
23	14,15	HEXYL ACETATE	0,12
24	14,28	p-CYMENE	0,11
25	14,88	TERPINOLENE	0,26
26	17,62	HEXYL PROPIONATE	0,05
27	17,78	HEXYL METHYLPROPIONATE	0,15
28	18,13	1-HEXANOL	0,11
29	19,80	ALLO-OCIMENE	0,03
30	19,96	1-OCTEN-3-YL ACETATE	0,17

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. 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 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. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVANDIN GROSSO ESSENTIAL OIL - 11156

Peak	RT (min)	Component name	%
31	20,16	3-HEXEN-1-OL	0,07
32	20,71	3-OCTANOL	0,02
33	21,07	GALBANOLENE	0,01
34	22,52	HEXYL BUTYRATE	0,35
35	23,01	ALIPHATIC ESTER	0,01
36	23,31	HEXYL 2-METHYLBUTYRATE	0,07
37	24,23	LINALOOL cis-OXIDE	0,13
38	24,60	ALIPHATIC ESTER	0,15
39	24,78	1-OCTEN-3-OL	0,18
40	25,90	trans-THUYANOL	0,20
41	26,38	LINALOOL trans-OXIDE	0,10
42	27,00	OCTYL ACETATE	0,03
43	28,11	alpha-CAMPHOLENAL	0,02
44	28,44	DAUCENE	0,09
45	30,14	CAMPHOR	7,58
46	30,55	beta-BOURBONENE	0,04
47	31,52	alpha-GURJUNENE	0,03
48	32,19	BERGAMOTENE ISOMER	0,10
49	32,45	cis-THUYANOL	0,03
50	32,80	BERGAMOTENE ISOMER	0,05
51	33,20	LINALOOL	30,92
52	34,21	LINALYL ACETATE	26,73
53	34,30	alpha-cis-BERGAMOTENE	0,09
54	35,07	BORNYL FORMATE	0,02
55	35,37	alpha-SANTALENE	0,30
56	35,84	epsilon-CADINENE	0,04
57	36,49	alpha-trans-BERGAMOTENE	0,14
58	36,83	SESQUITERPENE	0,03
59	37,35	beta-CARYOPHYLLENE	1,77
60	37,81	TERPINENE-4-OL	2,79

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. 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 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. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVANDIN GROSSO ESSENTIAL OIL - 11156

Peak	RT (min)	Component name	%
61	38,19	ALIPHATIC ESTER	0,02
62	38,56	LAVANDULYL ACETATE	2,23
63	39,57	HEXYL CAPROATE	0,02
64	39,82	HEXYL TIGLATE	0,22
65	40,12	SESQUITERPENE	0,03
66	41,18	beta-SANTALENE	0,02
67	41,62	SESQUITERPENE	0,01
68	41,83	CADINA-3,5-DIENE	0,07
69	42,54	FARNESENE ISOMER	0,04
70	42,71	LACTONE LAVANDE	0,02
71	43,47	FARNESENE ISOMER	0,13
72	43,66	SESQUITERPENE	0,08
73	43,88	alpha-HUMULENE	0,08
74	44,15	delta-TERPINEOL	0,02
75	44,33	E-beta-FARNESENE	1,43
76	45,14	LAVANDULOL	0,64
77	45,62	Z-beta-FARNESENE	0,04
78	45,93	KETONE Mw=150	0,02
79	46,92	alpha-TERPINEOL	0,90
80	47,16	BORNEOL	3,77
81	47,77	GERMACRENE D	0,70
82	49,82	SESQUITERPENE	0,07
83	50,07	NERYL ACETATE	0,36
84		beta-BISABOLENE	
85	50,23	SESQUITERPENE	0,02
86	51,39	LINALOOL PYRANOID cis-OXIDE	0,01
87	51,84	beta-CURCUMENE	0,03
88	52,09	SESQUITERPENE	0,08
89	52,49	E,E-alpha-FARNESENE	0,10
90	52,76	gamma-CADINENE	0,33

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. 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 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. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVANDIN GROSSO ESSENTIAL OIL - 11156

Peak	RT (min)	Component name	%
91	36,11	CAMPHOLENOL	0,03
92	36,33	NEROL	0,11
93	36,58	Cis-Epoxy-LINALYL ACETATE	0,02
94	36,76	Trans-Epoxy-LINALYL ACETATE	0,02
95	37,38	trans-CARVEOL	0,03
96	37,57	CALAMENENE	0,03
97	37,75	GERANIOL	0,27
98	37,79	p-CYMENE-8-OL	0,05
99	40,33	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL	0,02
100	40,81	HEXENYL ESTER	0,02
101	56,27	trans-EPOXYLINALYL ACETATE	0,02
102	56,89	CALAMENENE	0,02
103	57,17	trans-CARVEOL	0,02
104	57,57	p-CYMENE-8-OL	0,02
105	57,71	GERANIOL	0,32
106	59,89	COMPOUND Mw=150	0,01
107	60,47	GERANYL METHYLBUTYRATE	0,01
108	60,60	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL-	0,01
109	60,95	SESQUITERPENOL	0,02
110	61,28	ISOCARYOPHYLLENE EPOXIDE	0,02
111	61,50	CARYOPHYLLENE EPOXIDE	0,11
112	63,12	SESQUITERPENOL	0,02
113	63,81	HEXYL BENZOATE	0,02
114	64,19	PENTADECANONE, TRIMETHYL-	0,01
115	65,02	T-CADINOL	0,19
116	65,64	alpha-BISABOOL	0,37
117	65,98	GERANYL-p-CYMENE ISOMER	0,01
118	69,84	COUMARIN	0,17
		TOTAL	99,97

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc, provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. 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 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. New Directions Aromatics Inc, shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.