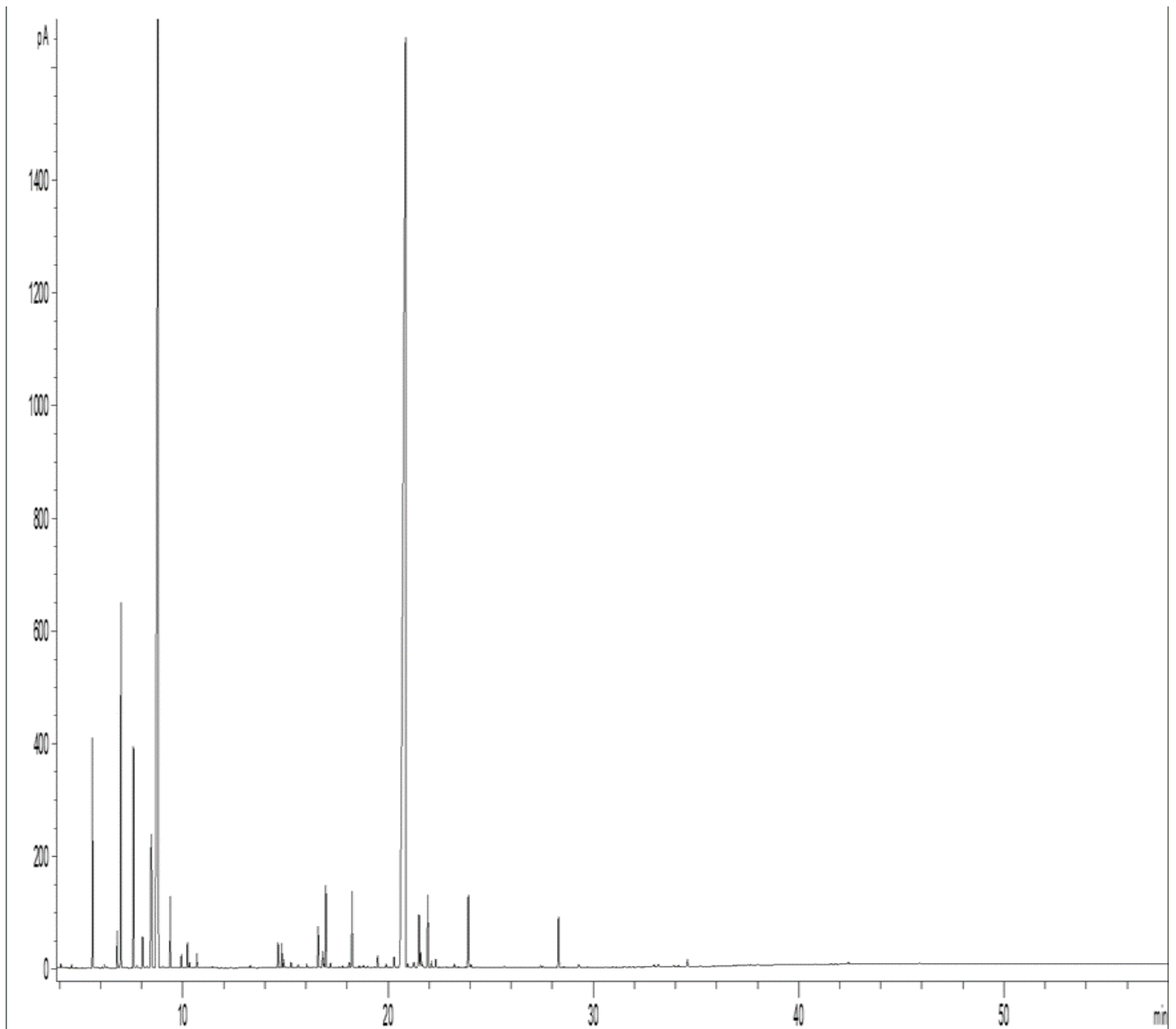


GCMS ANALYSIS

PRODUCT NAME: CARDAMOM ESSENTIAL OIL - 11020

DATE: May 05, 2021



*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: CARDAMOM ESSENTIAL OIL - 11020

Peak	RT (min)	Compound	%
1	4,06	ACETONE	0,04
2	4,59	ISOVALERALDEHYDE	0,04
3	5,61	<b>alpha-PINENE</b>	<b>1,80</b>
4	5,62	alpha-THUYENE	0,42
5	6,18	CAMPHENE	0,03
6	6,30	HEXANAL	0,01
7	6,81	beta-PINENE	0,43
8	6,99	<b>SABINENE</b>	<b>4,02</b>
9	7,47	delta3-CARENE	0,01
10	7,60	<b>beta-MYRCENE</b>	<b>2,50</b>
11	7,77	alpha-PHELLANDRENE	0,03
12	8,05	alpha-TERPINENE	0,43
13	8,25	2,3-DEHYDRO-1,8-CINEOLE	0,03
14	8,47	<b>LIMONENE</b>	<b>3,08</b>
15	8,81	<b>1,8-CINEOLE</b>	<b>31,53</b>
16	9,03	cis-beta-OCIMENE	0,02
17	9,40	gamma-TERPINENE	0,75
18	9,41	trans-beta-OCIMENE	0,08
19	9,94	p-CYMENE	0,16
20	10,24	TERPINOLENE	0,29
21	10,34	OCTANAL	0,07
22	10,70	1,3,7-NONATRIENE, 4,8-DIMETHYL-	0,17
23	11,44	5-HEPTEN-2-ONE, 6-METHYL-	0,02
24	13,29	ALIPHATIC ESTER	0,04
25	14,10	SESQUITERPENE	0,01
26	14,65	trans-THUYANOL	0,32
27	14,83	TERPENE ISOMER	0,33
28	14,93	ALIPHATIC ALCOHOL	0,11
29	15,01	TERPENE ISOMER	0,03
30	15,27	OCTYL ACETATE	0,08

**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, Essentially You Oils, 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 Essentially You Oils, 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 Essentially You Oils, is limited to the value of the goods and does not include any consequential loss, Essentially You Oils, shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon, Essentially You Oils, 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: CARDAMOM ESSENTIAL OIL - 11020

Peak	RT (min)	Compound	%
31	15,48	METHYL 2-OCTANOATE	0,01
32	15,63	DECANAL	0,05
33	16,04	ALIPHATIC ALCOHOL	0,05
34	16,41	E-SOLANONE	0,02
35	16,59	cis-4-DECENAL	0,02
36	16,60	<b>LINALOOL</b>	<b>0,55</b>
37	16,82	cis-THUYANOL	0,23
38	16,87	1-OCTANOL	0,05
39	16,98	<b>LINALYL ACETATE</b>	<b>1,13</b>
40	17,21	trans-p-MENTH-2-EN-1-OL	0,06
41	17,62	SESQUITERPENE	0,01
42	17,79	BORNYL ACETATE	0,04
43	18,11	beta-ELEMENE	0,11
44	18,25	<b>TERPINENE-4-OL</b>	<b>1,09</b>
45	18,41	2-UNDECANONE	0,02
46	18,61	beta-TERPENYL ACETATE	0,04
47	18,75	ALIPHATIC ESTER	0,02
48	18,81	cis-p-MENTH-2-EN-1-OL	0,04
49	19,02	SESQUITERPENE	0,04
50	19,32	GERMACRENE A	0,03
51	19,50	delta-TERPENYL ACETATE	0,19
52	19,92	delta-TERPINEOL	0,06
53	20,10	cis-PIPERITOL	0,02
54	20,30	NERAL	0,19
55	20,84	<b>alpha-TERPINEOL</b>	<b>2,18</b>
56	20,85	<b>TERPENYL ACETATE</b>	<b>41,72</b>
57	20,96	ALIPHATIC ESTER	0,08
58	21,05	TERPENIC ACETATE	0,02
59	21,21	ALIPHATIC ESTER	0,03
60	21,27	SESQUITERPENE	0,09

**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, Essentially You Oils, 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 Essentially You Oils, 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 Essentially You Oils, is limited to the value of the goods and does not include any consequential loss, Essentially You Oils, shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon, Essentially You Oils, 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: CARDAMOM ESSENTIAL OIL - 11020

Peak	RT (min)	Compound	%
61	21,52	beta-SELINENE	0,80
62	21,59	GERANIAL	0,20
63	21,60	alpha-SELINENE	0,06
64	21,67	SESQUITERPENE	0,07
65	21,94	GERANYL ACETATE	1,04
66	22,12	alpha-TERPENYL PROPIONATE	0,10
67	22,20	SESQUITERPENE	0,02
68	22,33	gamma-CADINENE	0,13
69	22,48	SESQUITERPENE	0,02
70	22,75	trans-p-MENTHA-1,2-DIEN-8-OL	0,02
71	22,86	EXO-2-HYDROXYCINEOLE ISOMER	0,02
72	23,23	NEROL	0,06
73	23,44	ALIPHATIC ESTER	0,02
74	23,92	GERANIOL	1,04
75	24,05	SESQUITERPENIC EPOXIDE	0,06
76	24,34	E-GERANYL ACETONE	0,01
77	25,66	COMPOUND Mw=166	0,03
78	26,65	SESQUITERPENIC EPOXIDE	0,01
79	27,44	SESQUITERPENOL	0,03
80	27,54	ALIPHATIC ESTER	0,03
81	28,31	<b>NEROLIDOL</b>	<b>0,72</b>
82	28,55	ELEMOL	0,02
83	29,28	METHYL CINNAMATE	0,07
84	29,72	CYCLOHEXANEMETHANOL, 4-HYDROXY-alpha-alpha-4-TRIMETHYL-	0,01
85	30,96	SESQUITERPENIC EPOXIDE	0,02
86	31,48	ALIPHATIC ESTER	0,02
87	31,55	SESQUITERPENIC EPOXIDE	0,01
88	31,92	SESQUITERPENIC EPOXIDE	0,01
89	32,24	SESQUITERPENOL	0,01
90	32,90	trans-LIMONENE-1,2-DIOL	0,03

**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, Essentially You Oils, 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 Essentially You Oils, 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 Essentially You Oils, is limited to the value of the goods and does not include any consequential loss, Essentially You Oils, shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon, Essentially You Oils, 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: CARDAMOM ESSENTIAL OIL - 11020

Peak	RT (min)	Compound	%
91	32,96	FARNESYL ACETATE	0,04
92	33,16	FARNESAL	0,06
93	33,93	SESQUITERPENOL	0,04
94	34,14	GERANIC ACID	0,02
95	34,59	FARNESOL	0,10
		<b>TOTAL</b>	<b>100,00</b>

**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, Essentially You Oils, 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 Essentially You Oils, 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 Essentially You Oils, is limited to the value of the goods and does not include any consequential loss, Essentially You Oils, shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon, Essentially You Oils, 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.