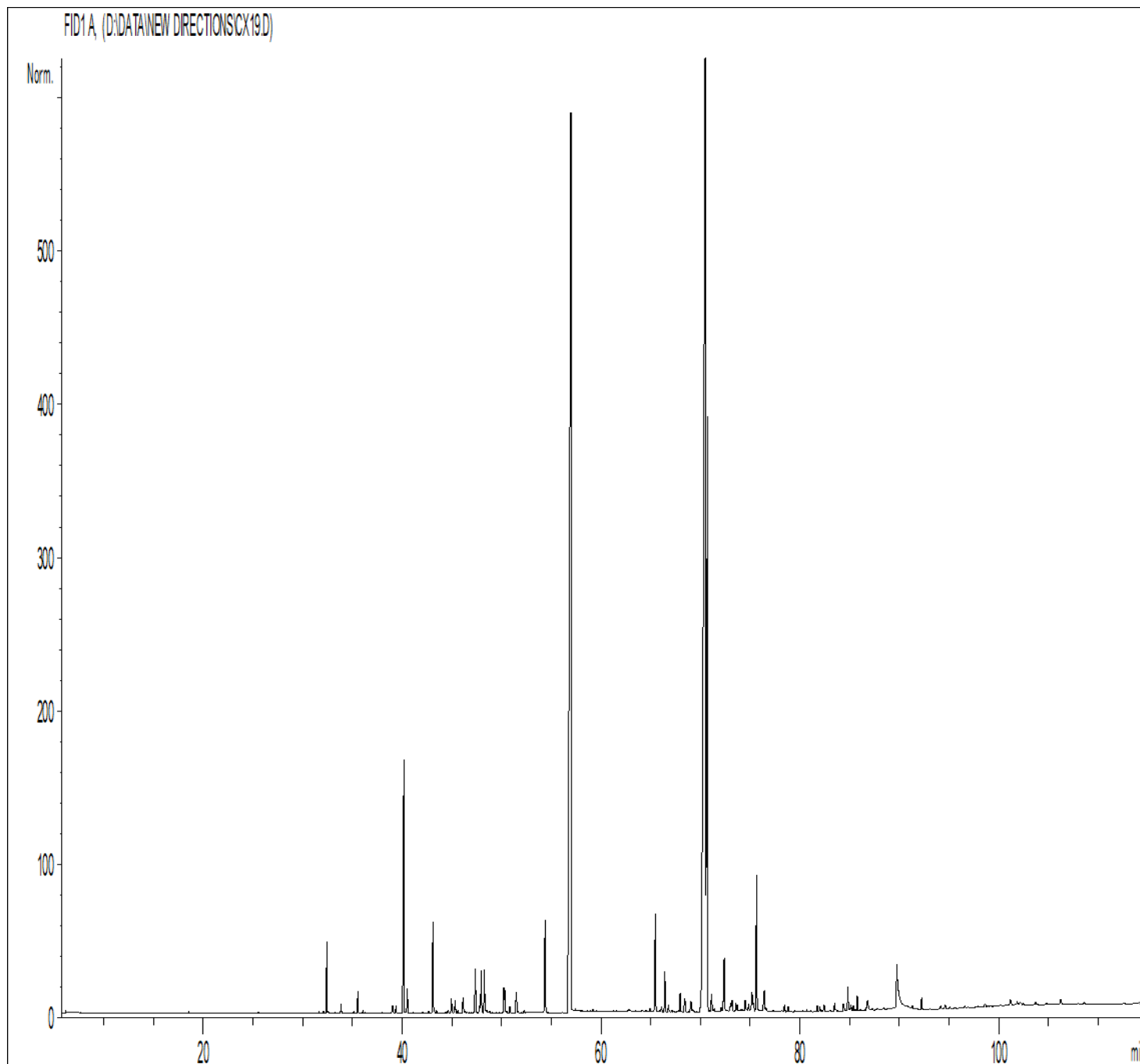


GCMS ANALYSIS

PRODUCT NAME: MYRRH ESSENTIAL OIL (EGYPT) – 11095

DATE: October 23, 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: MYRRH ESSENTIAL OIL (EGYPT) – 11095

Peak	RT (min)	Compound name	%
1	5,62	ETHYL ACETATE	0,02
2	6,14	ETHANOL	0,01
3	8,23	alpha-PINENE	0,00
4	15,55	LIMONENE	0,01
5	18,55	trans-beta-OCIMENE	0,02
6	25,53	2-PENTANONE, 4-HYDROXY-4-METHYL-	0,02
7	31,64	alpha-CUBEBENE	0,03
8	32,11	ELEMENE ISOMERE	0,02
9	32,43	delta-ELEMENE	0,83
10	32,57	BICYCLOELEMENE	0,03
11	33,28	YLANGENE	0,02
12	33,86	alpha-COPAENE	0,11
13	35,14	alpha-BOURBONENE	0,03
14	35,55	beta-BOURBONENE	0,26
15	36,06	SESQUITERPENE	0,04
16	36,26	alpha-GURJUNENE	0,01
17	37,44	SESQUITERPENE	0,01
18	38,00	SESQUITERPENE	0,01
19	38,76	alpha-cis-BERGAMOTENE	0,01
20	39,05	beta1-CUBEBENE	0,15
21	39,39	SESQUITERPENE	0,09
22	39,86	alpha-trans-BERGAMOTENE	0,02
23	40,19	beta-ELEMENE	3,73
24	40,52	beta-CARYOPHYLLENE	0,34
25	41,15	6,9-GUAIADIENE	0,02
26	42,06	SESQUITERPENE	0,02
27	42,66	SESQUITERPENE	0,03
28	43,11	GERMACRENE A	1,18
29	43,23	SESQUITERPENE	0,06
30	43,48	ALLO-AROMADENDRENE	0,04

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: MYRRH ESSENTIAL OIL (EGYPT) – 11095

Peak	RT (min)	Compound name	%
31	44,40	ZONARENE	0,03
32	44,56	SESQUITERPENE	0,03
33	44,64	SESQUITERPENE	0,04
34	44,96	alpha-HUMULENE	0,18
35	45,34	gamma-SELINENE	0,17
36	45,62	SESQUITERPENE	0,04
37	46,13	gamma-MUUROLENE	0,20
38	46,19	SESQUITERPENE	0,05
39	46,38	SESQUITERPENE	0,03
40	46,56	SESQUITERPENE	0,02
41	46,93	LEDENE	0,02
42	47,36	GERMACRENE D	0,66
43	47,81	SESQUITERPENE	0,15
44	47,95	beta-SELINENE	0,56
45	48,27	alpha-SELINENE	0,60
46	48,40	alpha-MUUROLENE	0,04
47	48,52	SESQUITERPENE	0,05
48	48,78	cis-alpha-BISABOLENE	0,06
49	50,22	delta-CADINENE	0,36
50	50,33	gamma-CADINENE	0,28
51	50,52	SESQUITERPENE	0,05
52	50,82	delta-SELINENE	0,09
53	51,47	SELINENE ISOMERE	0,20
54	51,48	SELINA-3,7(11)-DIENE	0,19
55	51,67	CADINA-1,4-DIENE	0,03
56	52,25	gamma-MUUROLENE	0,03
57	53,24	PHENYLETHYL ESTER	0,02
58	54,38	GERMACRENE B	1,53
59	54,71	CALAMENENE	0,01
60	56,11	COMPOUND Mw=202	0,02

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: MYRRH ESSENTIAL OIL (EGYPT) – 11095

Peak	RT (min)	Compound name	%
61	56,97	CURZERENE Mw=216	27,22
62	57,42	ISOMERIC COMPOUND Mw=216	0,02
63	59,20	alpha-CALACORENE	0,04
64	59,48	SESQUITERPENOL	0,01
65	62,72	SESQUITERPENIC EPOXIDE	0,02
66	62,85	SESQUITERPENOL	0,04
67	64,15	SESQUITERPENOL	0,03
68	64,93	SESQUITERPENIC EPOXIDE	0,06
69	65,46	GUAIOL ISOMER	1,43
70	66,08	SESQUITERPENIC EPOXIDE	0,07
71	66,42	FURANOGERMACRENE ISOMER Mw=214	0,53
72	66,78	Epi-CUBENOL	0,11
73	67,12	CUBENOL	0,03
74	67,79	COMPOUND Mw=246	0,04
75	67,95	GUAIOL	0,29
76	68,42	trans-beta-ELEMENONE	0,27
77	69,03	COMPOUND ISOMER Mw=216	0,23
78	69,21	COMPOUND Mw=214	0,06
79	70,07	FURANODIENE Mw=216	0,25
80	70,50	FURANOEUEDESMA-1,3-DIENE	36,34
81	70,70	LINDESTRENE Mw=214	9,72
82	71,11	FURANOEUEDESMADIENE ISOMER	0,29
83	71,40	SESQUITERPENOL	0,11
84	72,06	SESQUITERPENOL	0,09
85	72,31	gamma-EUEDESMOL	0,16
86	72,39	T-CADINOL	0,75
87	73,07	COMPOUND Mw=246	0,22
88	73,18	SESQUITERPENOL	0,21
89	73,56	NAPHTALENIC COMPOUND	0,14
90	73,71	SESQUITERPENOL	0,13

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: MYRRH ESSENTIAL OIL (EGYPT) – 11095

Peak	RT (min)	Compound name	%
91	74,49	CURZERENONE	0,19
92	74,84	alpha-EUDESOL	0,11
93	75,17	COMPOUND Mw=214	0,35
94	75,25	alpha-CADINOL	0,20
95	75,63	COMPOUND Mw=246	1,95
96	76,38	EUDESMA-7(11)-EN-4-OL	0,19
97	76,43	beta-NOOKATOL	0,28
98	76,58	COMPOUND Mw=246 ISOMER	0,10
99	78,45	SESQUITERPENOL	0,12
100	78,82	SESQUITERPENOL	0,08
101	81,73	SESQUITERPENOL	0,08
102	82,01	SESQUITERPENOL	0,08
103	82,43	COMPOUND Mw=188	0,11
104	83,49	2-METHOXYFURANOQUAIA-9-EN-8-ONE ISOMER	0,12
105	84,38	POLYOXYGENED COMPOUND Mw=246	0,18
106	84,82	2-METHOXYFURANOQUAIA-9-EN-8-ONE Mw=246	0,36
107	85,13	POLYOXYGENED COMPOUND Mw=246	0,10
108	85,38	2-METHOXYFURANODIENONE ISOMERE	0,09
109	85,76	CURZENIC ESTER Mw=274	0,23
110	86,81	CURZENIC ESTER Mw=274	0,34
111	89,75	CURZENIC ESTER Mw=274	1,96
112	92,24	CURZENIC ESTER Mw=274	0,17
113	94,16	AROMATIC COMPOUND	0,05
114	94,60	COMPOUND Mw=230	0,07
115	96,60	CURZENIC ESTER Mw=274	0,04
116	98,61	AROMATIC COMPOUND	0,07
117	101,17	COMPOUND Mw=232	0,14
118	101,85	COMPOUND Mw=232	0,08
119	102,13	COMPOUND Mw=232	0,09
120	102,46	COMPOUND Mw=232	0,04

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: MYRRH ESSENTIAL OIL (EGYPT) – 11095

Peak	RT (min)	Compound name	%
121	103,68	AROMATIC COMPOUND	0,05
122	104,83	PALMITIC ACID	0,04
123	106,23	AROMATIC COMPOUND	0,10
124	108,60	AROMATIC COMPOUND	0,04
		TOTAL	100,00

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