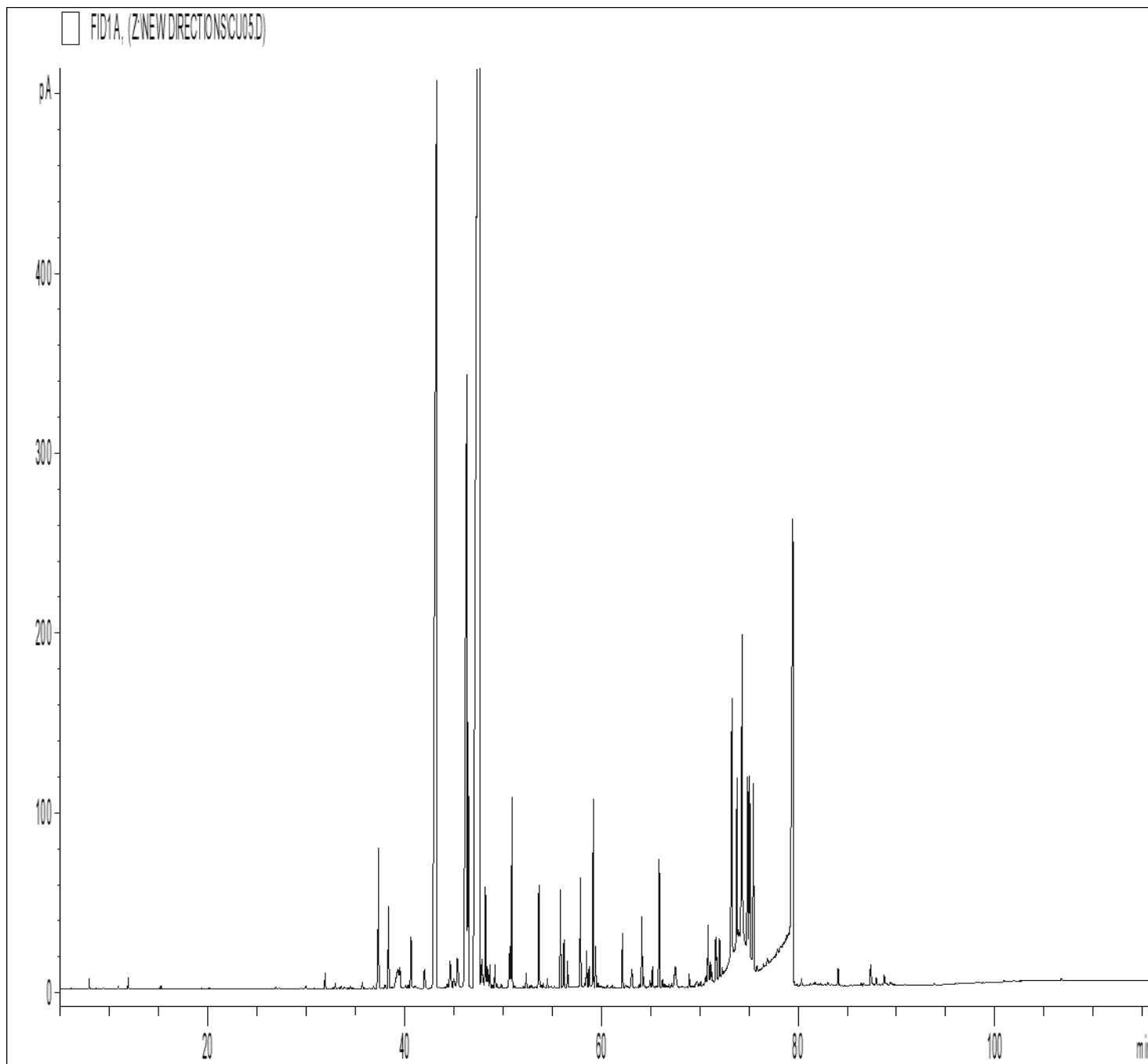


GCMS ANALYSIS

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (HIMALAYAN) – 11024

DATE: October 07, 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: CEDARWOOD ESSENTIAL OIL (HIMALAYAN) – 11024

Peak	RT (min)	Compound name	%
1	4,68	ACETONE	0,05
2	7,93	alpha-PINENE	0,03
3	10,89	beta-PINENE	0,01
4	11,89	4-METHYL-3-PENTEN-2-ONE	0,04
5	15,22	LIMONENE	0,01
6	29,96	alpha-p-DIMETHYLSTYRENE	0,01
7	31,92	alpha-LONGIPINENE	0,08
8	32,95	YLANGENE	0,03
9	33,53	alpha-COPAENE	0,01
10	34,49	CYPERENE	0,01
11	35,70	SATIVENE	0,04
12	36,83	alpha-GURJUNENE	0,02
13	37,30	4-ACETYL-1-METHYLCYCLOHEXENE	0,71
14	37,35	CADINADIENE ISOMER	0,12
15	38,01	SESQUITERPENE	0,03
16	38,37	LONGIFOLENE	0,49
17	38,72	alpha-cis-BERGAMOTENE	0,01
18	39,32	EUDESMATRIENE ISOMER	0,38
19	39,52	alpha-trans-BERGAMOTENE	0,18
20	40,00	SESQUITERPENE	0,01
21	40,12	beta-CUBEBENE	0,02
22	40,35	SESQUITERPENE Mw=202	0,02
23	40,66	HIMACHALENE ISOMER	0,37
24	41,07	CEDRENE ISOMER	0,03
25	42,02	HIMACHALENE ISOMER	0,18
26	43,25	alpha-HIMACHALENE	12,67
27	44,13	SESQUITERPENE Mw=202	0,02
28	44,34	HIMACHALENE ISOMER	0,04
29	44,62	E-beta-FARNESENE	0,28
30	45,00	HIMACHALADIENE ISOMER	0,12

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (HIMALAYAN) – 11024

Peak	RT (min)	Compound name	%
31	45,35	HIMACHALENE ISOMER	0,36
32	46,33	gamma-HIMACHALENE	7,86
33	46,47	11-alpha-HIMACHALA-1,4-DIENE	1,38
34	47,62	beta-HIMACHALENE	32,91
35	47,78	SESQUITERPENE	0,04
36	47,84	EUDESMATRIENE ISOMER	0,15
37	47,92	CURCUMENE ISOMER	0,06
38	48,01	CEDRENE ISOMER	0,04
39	48,22	ISOTHUYOPSENE	0,56
40	48,36	beta-CURCUMENE	0,12
41	48,50	EUDESMA-2,4-11-TRIENE ISOMER	0,11
42	48,68	COMPOUND Mw=222	0,14
43	48,93	CURCUMENE ISOMER	0,02
44	49,19	SESQUITERPENE Mw=202	0,13
45	49,39	SESQUITERPENE Mw=202	0,02
46	49,85	delta-CADINENE	0,03
47	50,62	CURCUMENE ISOMER	0,04
48	50,70	p-METHYLACETOPHENONE	0,25
49	50,93	trans-alpha-BISABOLENE	1,16
50	51,16	beta-SESQUIPELLANDRENE	0,01
51	51,18	alpha-CURCUMENE	0,01
52	52,06	SESQUITERPENE Mw=202	0,01
53	52,37	CYPERADIENE ISOMER	0,09
54	52,71	COMPOUND Mw=222	0,01
55	52,90	IONONE ISOMER	0,02
56	53,23	TETRAMETHYL DIHYDRO NAPHTALENE Mw=186	0,01
57	53,32	SESQUITERPENE Mw=202	0,01
58	53,66	EUDESMA-2,4-11-TRIENE ISOMER	0,64
59	53,90	CUPARENE	0,02
60	54,07	CALAMENENE	0,03

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (HIMALAYAN) – 11024

Peak	RT (min)	Compound name	%
61	54,50	AROMATIC COMPOUND	0,06
62	54,91	SESQUITERPENE Mw=202	0,01
63	55,22	COMPOUND Mw=200	0,01
64	55,84	OCTAHYDRO METHYLPHENANTHRENE ISOMER Mw=200	0,56
65	56,20	CADINA-1,6,8-TRIENE	0,28
66	56,56	CYCLOTERPENIC COMPOUND Mw=178	0,15
67	57,88	OCTAHYDRO METHYLPHENANTHRENE ISOMER Mw=200	0,64
68	58,34	SESQUITERPENONE	0,02
69	58,50	AROMATIC COMPOUND	0,20
70	58,77	alpha-CALACORENE	0,12
71	59,19	VESTITENONE Mw=178	1,09
72	59,42	AROMATIC COMPOUND	0,21
73	59,66	SESQUITERPENIC EPOXIDE	0,03
74	59,95	SESQUITERPENIC EPOXIDE	0,01
75	60,62	AROMATIC COMPOUND Mw=208	0,02
76	61,05	AROMATIC COMPOUND	0,01
77	61,12	beta-CALACORENE	0,01
78	62,15	AROMATIC KETONE Mw=218	0,31
79	62,50	IONONE ISOMER	0,02
80	63,04	COMPOUND Mw=238	0,04
81	63,11	SESQUITERPENIC OXIDE	0,08
82	63,12	SESQUITERPENIC OXIDE	0,07
83	63,87	AROMATIC COMPOUND Mw=216	0,02
84	64,12	beta-HIMACHALENE OXIDE	0,41
85	64,30	OXYGENED COMPOUND Mw=220	0,07
86	64,94	AROMATIC COMPOUND	0,06
87	65,20	NEROLIDOL	0,12
88	65,60	SESQUITERPENONE	0,01
89	65,88	METHOXYBENZYL ALCOHOL	0,78
90	66,21	NAPHTALENIC COMPOUND Mw=198	0,06

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (HIMALAYAN) – 11024

Peak	RT (min)	Compound name	%
91	66,41	AROMATIC COMPOUND Mw=200	0,02
92	66,58	AROMATIC COMPOUND	0,03
93	66,86	SESQUITERPENOL	0,02
94	67,14	p-CRESOL	0,03
95	67,43	AROMATIC COMPOUND Mw=218	0,07
96	67,48	SESQUITERPENIC OXIDE	0,11
97	67,57	OXYGENED COMPOUND Mw=220	0,11
98	68,91	AROMATIC COMPOUND Mw=202	0,08
99	69,15	KETONIC COMPOUND	0,01
100	69,35	COMPOUND Mw=232	0,01
101	69,62	BENZONITRILE, 2,4-DIMETHOXY- Mw=163	0,03
102	69,67	AROMATIC COMPOUND	0,03
103	69,70	ALIPHATIC ALCOHOL	0,04
104	69,96	AROMATIC COMPOUND	0,02
105	70,09	ALIPHATIC ESTER	0,04
106	70,34	EUDESMOL ISOMER	0,01
107	70,53	AROMATIC COMPOUND Mw=162	0,04
108	70,67	SESQUITERPENOL	0,04
109	70,85	LONGIBORNEOL	0,30
110	70,91	COMPOUND Mw=218	0,03
111	71,09	HIMACHALOL ISOMER	0,10
112	71,22	AROMATIC COMPOUND	0,04
113	71,62	AROMATIC COMPOUND	0,26
114	71,72	AROMATIC COMPOUND	0,12
115	72,01	TUMERONE ISOMER	0,24
116	72,28	OXYGENED COMPOUND Mw=220	0,05
117	73,26	Z-alpha-ATLANTONE	1,95
118	73,77	HIMACHALOL	0,98
119	74,31	Z-gamma-ATLANTONE	2,32
120	74,85	DEODARONE ISOMER	1,11

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (HIMALAYAN) – 11024

Peak	RT (min)	Compound name	%
121	75,06	DEODARONE ISOMER	1,08
122	75,08	ALLO-HIMACHALOL	1,03
123	75,10	E-gamma-ATLANTONE	8,38
124	75,79	COMPOUND Mw=216	0,02
125	75,83	AROMATIC COMPOUND	0,03
126	76,47	COMPOUND Mw=238	0,01
127	76,86	SESQUITERPENOL	0,05
128	77,88	SESQUITERPENOL	0,03
129	79,47	E-alpha-ATLANTONE	12,58
130	79,58	HIMACHALENOL ISOMER	0,01
131	79,87	AROMATIC COMPOUND	0,01
132	80,35	SESQUITERPENIC OXIDE	0,05
133	81,24	AROMATIC COMPOUND	0,01
134	81,57	AROMATIC COMPOUND	0,01
135	81,74	AROMATIC COMPOUND	0,02
136	82,31	COMPOUND Mw=216	0,02
137	82,72	COMPOUND Mw=234	0,01
138	83,04	AROMATIC COMPOUND	0,02
139	84,06	HIMACHALENOL ISOMER	0,12
140	85,39	SESQUITERPENOL	0,01
141	86,42	SESQUITERPENIC OXIDE	0,02
142	86,65	ALIPHATIC ALCOHOL	0,02
143	87,37	VETISELINENOL ISOMER	0,17
144	87,57	COMPOUND Mw=216	0,01
145	87,94	COMPOUND Mw=178	0,06
146	88,24	AROMATIC COMPOUND	0,01
147	88,75	OXYGENED COMPOUND Mw=220	0,08
148	89,39	AROMATIC COMPOUND	0,03
149	89,53	AROMATIC COMPOUND	0,01
		TOTAL	99,95

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