

4571-BZAK

Instrument 6890

C:\HPCHEM\2\DATA\2021\
45710000.D

Black Pepper Organic

HP-5 5% Phenyl Methyl Siloxane

4571-BZAK

30.000m

Sri Lanka

250.000um

Piper nigrum

0.250um

Sample/Solvent: 0.06g/0.43g/0.07g
(alcohol)

Injection Amount: 0.2uL

20:1 Split Ratio

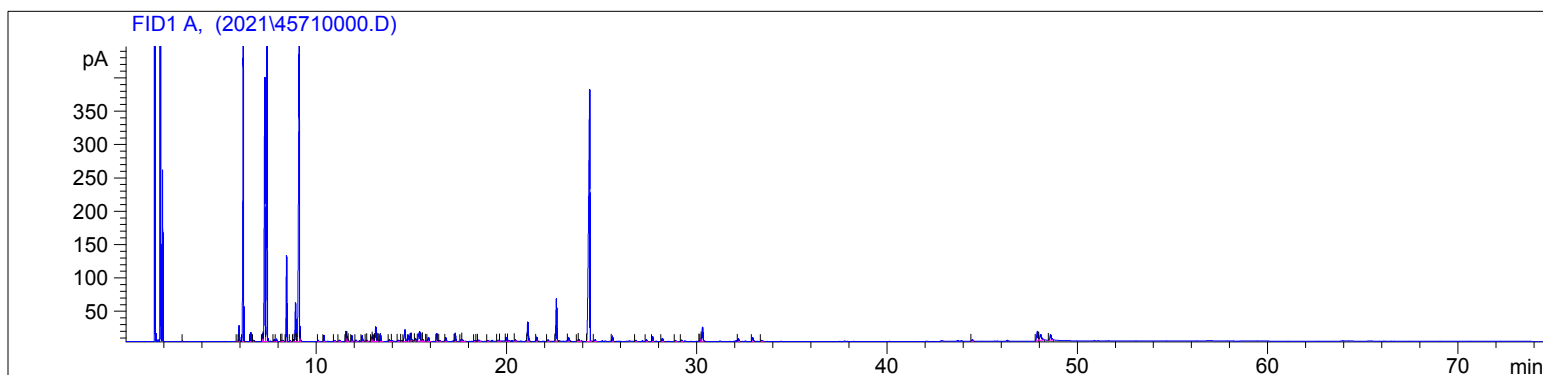
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2/2/2021 10:15:46 AM

2/2/2021

2/2/2021 10:15:46 AM

11:58:39 AM



#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
1		2.97	100.00	1.19	0.88	1.19	0.01
2		5.83	100.00	1.68	0.76	1.68	0.02
3	alpha thujene	5.94	100.00	53.85	24.04	53.85	0.58
4	alpha pinene	6.16	100.00	1174.02	482.20	1174.02	12.62
5	camphene	6.55	100.00	32.31	13.60	32.31	0.35
6		6.70	100.00	5.39	2.23	5.39	0.06
7		7.18	100.00	32.00	12.15	32.00	0.34
8	sabinene	7.29	100.00	1179.52	395.17	1179.52	12.68
9	beta pinene	7.41	100.00	1265.79	477.49	1265.79	13.61
10	myrcene	7.77	100.00	7.30	2.97	7.30	0.08
11		7.90	100.00	9.46	3.76	9.46	0.10
12		8.19	100.00	2.51	0.89	2.51	0.03
13		8.23	100.00	5.99	1.95	5.99	0.06
14	delta-3-carene	8.43	100.00	337.40	128.90	337.40	3.63
15		8.64	100.00	3.31	1.25	3.31	0.04
16		8.81	100.00	6.86	2.57	6.86	0.07
17	para cymene	8.90	100.00	168.50	57.92	168.50	1.81
18	d-limonene	9.10	100.00	1464.00	446.77	1464.00	15.74
19	1.8 cineol	9.15	100.00	12.42	6.34	12.42	0.13
20	gamma terpinene	10.11	100.00	5.98	2.15	5.98	0.06
21		10.41	100.00	26.35	9.18	26.35	0.28
22		10.98	100.00	4.40	1.19	4.40	0.05
23	terpinolene	11.22	100.00	8.16	2.02	8.16	0.09
24		11.57	100.00	45.64	15.23	45.64	0.49
25		11.64	100.00	23.77	8.17	23.77	0.26
26		11.68	100.00	2.23	1.43	2.23	0.02
27		11.88	100.00	27.18	8.85	27.18	0.29
28		12.09	100.00	7.67	2.33	7.67	0.08
29		12.42	100.00	28.07	8.43	28.07	0.30
30		12.65	100.00	3.46	1.32	3.46	0.04
31		12.67	100.00	3.35	1.43	3.35	0.04

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32		12.92	100.00	18.72	6.49	18.72	0.20
33		12.99	100.00	34.94	10.03	34.94	0.38
34		13.14	100.00	85.05	21.81	85.05	0.91
35		13.20	100.00	4.92	1.87	4.92	0.05
36		13.26	100.00	1.05	1.10	1.05	0.01
37		13.38	100.00	38.13	11.86	38.13	0.41
38		13.85	100.00	9.72	2.58	9.72	0.10
39		13.98	100.00	3.97	1.33	3.97	0.04
40		14.32	100.00	6.30	1.91	6.30	0.07
41		14.50	100.00	4.45	1.30	4.45	0.05
42	terpinen-4-ol	14.67	100.00	72.09	17.29	72.09	0.78
43		14.86	100.00	29.79	9.21	29.79	0.32
44		14.99	100.00	36.39	11.73	36.39	0.39
45	alpha terpineol	15.22	100.00	11.64	3.87	11.64	0.13
46		15.44	100.00	82.20	14.39	82.20	0.88
47		15.59	100.00	8.39	2.50	8.39	0.09
48		15.60	100.00	8.77	2.86	8.77	0.09
49		15.76	100.00	1.48	0.44	1.48	0.02
50		15.91	100.00	28.89	6.23	28.89	0.31
51		16.35	100.00	42.36	12.10	42.36	0.46
52		16.50	100.00	6.10	1.59	6.10	0.07
53		16.82	100.00	19.96	5.69	19.96	0.21
54		17.31	100.00	39.52	12.08	39.52	0.42
55		17.62	100.00	9.56	2.58	9.56	0.10
56		17.68	100.00	10.66	2.95	10.66	0.11
57		18.35	100.00	4.15	1.29	4.15	0.04
58		18.43	100.00	1.14	0.51	1.14	0.01
59		18.55	100.00	7.43	1.90	7.43	0.08
60		19.03	100.00	4.41	1.33	4.41	0.05
61		19.57	100.00	7.54	1.62	7.54	0.08
62		19.63	100.00	1.04	0.40	1.04	0.01
63		19.99	100.00	19.31	5.64	19.31	0.21
64		20.09	100.00	4.56	1.37	4.56	0.05
65		20.47	100.00	5.93	1.55	5.93	0.06
66		21.13	100.00	108.89	28.79	108.89	1.17
67		21.60	100.00	21.11	6.42	21.11	0.23
68		22.19	100.00	7.56	2.04	7.56	0.08
69	alpha cubebene	22.63	100.00	216.56	63.20	216.56	2.33
70	beta elemene	23.26	100.00	21.33	5.81	21.33	0.23
71		23.76	100.00	5.04	2.01	5.04	0.05
72		23.81	100.00	13.48	2.75	13.48	0.14
73	beta caryophyllene	24.38	100.00	1848.07	377.07	1848.07	19.87
74		24.66	100.00	11.24	2.40	11.24	0.12
75	alpha humulene	25.57	100.00	27.54	7.78	27.54	0.30
76		26.80	100.00	5.91	1.67	5.91	0.06
77		27.36	100.00	8.42	2.45	8.42	0.09
78	beta bisabolene	27.68	100.00	25.12	7.53	25.12	0.27
79	delta cadinene	28.20	100.00	18.41	4.54	18.41	0.20
80		28.88	100.00	4.94	1.32	4.94	0.05
81		29.21	100.00	8.79	2.39	8.79	0.09
82		30.13	100.00	2.18	0.86	2.18	0.02
83		30.23	100.00	7.08	4.00	7.08	0.08
84	caryophyllene oxide	30.31	100.00	86.35	21.54	86.35	0.93
85		32.19	100.00	15.72	4.19	15.72	0.17
86		32.94	100.00	23.64	5.85	23.64	0.25

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87		33.41	100.00	7.16	1.74	7.16	0.08
88		44.47	100.00	9.24	2.38	9.24	0.10
89		47.89	100.00	73.62	14.28	73.62	0.79
90		48.06	100.00	61.44	8.89	61.44	0.66
91		48.58	100.00	40.87	8.38	40.87	0.44





40

50

44.474

47.895
48.063
48.581

