

4571 IZEB

Instrument 6890

C:\HPCHEM\2\DATA\2025\
45710000.D

Pepper, Black Org

HP-5 5% Phenyl Methyl Siloxane

4571 - IZEB

30.000m

Piper Nigrum

250.000um

Sri Lanka

0.250um

Sample/Solvent: 0.05g/0.52g

Injection Amount: 0.2uL

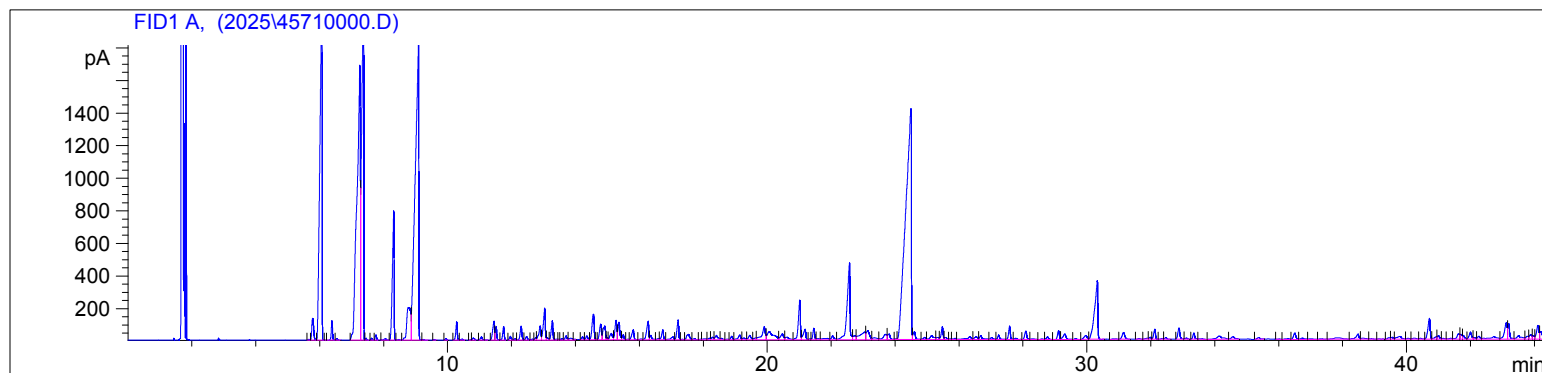
20:1 Split Ratio

9/8/2025 10:30:37 AM

9/8/2025

9/8/2025 10:30:37 AM

1:25:18 PM



#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
1		5.66	0.00	15.83	5.30	15.83	0.02
2	Alpha Thujene	5.78	0.00	536.20	133.50	536.20	0.53
3	Alpha Pinene	6.07	0.00	10573.38	2226.31	10573.38	10.42
4		6.17	0.00	2.06	0.85	2.06	0.00
5	Camphene	6.39	0.00	312.02	118.57	312.02	0.31
6		6.53	0.00	28.44	8.69	28.44	0.03
7	Sabinene	7.26	0.00	12456.08	1682.84	12456.08	12.28
8	Beta Pinene	7.38	0.00	9537.97	2186.89	9537.97	9.40
9	Myrcene	7.45	0.00	32.37	11.66	32.37	0.03
10		7.62	0.00	29.84	11.62	29.84	0.03
11		7.76	0.00	93.78	31.18	93.78	0.09
12		8.05	0.00	48.40	7.98	48.40	0.05
13	Delta 3-Carene	8.32	0.00	2962.83	792.16	2962.83	2.92
14		8.48	0.00	17.09	4.14	17.09	0.02
15	Para Cymene	8.78	0.00	1640.48	199.57	1640.48	1.62
16	D-Limonene	9.10	0.00	13926.41	1816.31	13926.41	13.73
17		9.25	0.00	11.17	4.18	11.17	0.01
18		9.59	0.00	9.81	3.52	9.81	0.01
19	1.8 Cineol	9.94	0.00	27.03	9.55	27.03	0.03
20	Gamma Terpinene	10.28	0.00	343.36	112.07	343.36	0.34
21		10.44	0.00	22.90	6.04	22.90	0.02
22		10.72	0.00	9.03	3.12	9.03	0.01
23		10.80	0.00	51.16	12.56	51.16	0.05
24	Terpinolene	11.05	0.00	69.62	18.65	69.62	0.07
25		11.20	0.00	6.90	2.17	6.90	0.01
26	Linalool	11.45	0.00	471.65	115.85	471.65	0.47
27		11.51	0.00	243.14	83.20	243.14	0.24
28		11.75	0.00	264.44	81.72	264.44	0.26
29		11.95	0.00	87.49	22.59	87.49	0.09
30		12.10	0.00	23.49	7.39	23.49	0.02
31		12.30	0.00	316.33	84.66	316.33	0.31
32		12.46	0.00	83.70	22.19	83.70	0.08
33		12.64	0.00	19.33	5.75	19.33	0.02
34		12.75	0.00	45.34	14.90	45.34	0.04
35		12.89	0.00	382.52	86.16	382.52	0.38
36	Camphor	13.03	0.00	806.73	193.94	806.73	0.80
37		13.11	0.00	53.90	14.32	53.90	0.05
38		13.27	0.00	424.26	117.64	424.26	0.42
39		13.41	0.00	28.02	5.02	28.02	0.03
40		13.48	0.00	16.57	4.57	16.57	0.02

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#	Compound Name	Meas.	Ret.	Amount	Response	Height	Area	Area %
41			13.56	0.00	34.36	8.15	34.36	0.03
42			13.70	0.00	103.61	24.81	103.61	0.10
43			13.84	0.00	73.66	11.51	73.66	0.07
44			13.97	0.00	22.32	5.00	22.32	0.02
45			14.22	0.00	73.21	18.29	73.21	0.07
46	terpin 4-ol		14.35	0.00	104.50	23.74	104.50	0.10
47	Alpha Terpineol		14.56	0.00	731.14	157.21	731.14	0.72
48			14.64	0.00	15.35	4.96	15.35	0.02
49			14.78	0.00	410.69	96.72	410.69	0.40
50			14.91	0.00	456.33	86.05	456.33	0.45
51			14.99	0.00	45.45	15.19	45.45	0.04
52			15.12	0.00	230.67	40.50	230.67	0.23
53			15.27	0.00	503.27	120.24	503.27	0.50
54			15.36	0.00	448.01	108.16	448.01	0.44
55			15.49	0.00	112.34	31.85	112.34	0.11
56			15.64	0.00	24.99	5.40	24.99	0.02
57			15.80	0.00	299.69	61.02	299.69	0.30
58			16.04	0.00	38.21	5.90	38.21	0.04
59			16.27	0.00	526.23	114.61	526.23	0.52
60			16.35	0.00	119.15	27.81	119.15	0.12
61			16.58	0.00	40.42	8.23	40.42	0.04
62			16.73	0.00	244.81	61.13	244.81	0.24
63			17.04	0.00	122.70	18.22	122.70	0.12
64			17.21	0.00	470.14	122.69	470.14	0.46
65			17.33	0.00	22.15	4.16	22.15	0.02
66			17.53	0.00	229.97	34.42	229.97	0.23
67			17.71	0.00	47.64	7.43	47.64	0.05
68			17.91	0.00	21.60	5.04	21.60	0.02
69			18.07	0.00	51.76	5.98	51.76	0.05
70			18.19	0.00	49.27	10.66	49.27	0.05
71			18.28	0.00	71.00	15.60	71.00	0.07
72			18.40	0.00	169.74	27.12	169.74	0.17
73			18.56	0.00	53.39	9.19	53.39	0.05
74			18.76	0.00	25.12	4.18	25.12	0.02
75			18.88	0.00	85.80	22.62	85.80	0.08
76			19.13	0.00	173.97	28.51	173.97	0.17
77			19.26	0.00	69.53	11.44	69.53	0.07
78			19.45	0.00	154.24	27.22	154.24	0.15
79			19.62	0.00	55.24	11.02	55.24	0.05
80			19.90	0.00	578.44	79.28	578.44	0.57
81			20.06	0.00	688.84	50.06	688.84	0.68
82			20.47	0.00	241.14	36.21	241.14	0.24
83			20.61	0.00	135.53	15.70	135.53	0.13
84			21.01	0.00	1044.92	242.20	1044.92	1.03
85			21.18	0.00	360.41	64.14	360.41	0.36
86	Trans Piperitol Acetate		21.34	0.00	23.27	5.85	23.27	0.02
87			21.45	0.00	267.89	70.36	267.89	0.26
88			21.58	0.00	44.67	6.85	44.67	0.04
89			21.87	0.00	118.12	8.33	118.12	0.12
90			22.04	0.00	130.60	24.19	130.60	0.13
91	Alpha Cubebene		22.57	0.00	2903.59	468.56	2903.59	2.86
92			22.72	0.00	140.22	25.71	140.22	0.14
93	Alpha Copaene		23.03	0.00	585.76	46.20	585.76	0.58
94	Beta Cubebene		23.14	0.00	381.55	55.08	381.55	0.38
95			23.34	0.00	115.47	12.02	115.47	0.11

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96			23.69	0.00	254.54	33.26	254.54	0.25
97			23.80	0.00	197.56	34.08	197.56	0.19
98			24.04	0.00	25.91	6.60	25.91	0.03
99	Beta Caryophyllene		24.49	0.00	17643.07	1405.49	17643.07	17.40
100			24.60	0.00	256.14	49.11	256.14	0.25
101			24.92	0.00	74.53	13.81	74.53	0.07
102	Alpha Humulene		25.14	0.00	214.05	25.08	214.05	0.21
103			25.32	0.00	80.46	13.52	80.46	0.08
104			25.47	0.00	315.50	79.32	315.50	0.31
105			25.58	0.00	66.53	12.96	66.53	0.07
106			25.72	0.00	21.22	4.86	21.22	0.02
107			25.87	0.00	48.61	8.01	48.61	0.05
108	Gamma Muurdene		26.33	0.00	199.03	18.86	199.03	0.20
109			26.53	0.00	124.51	19.02	124.51	0.12
110			26.68	0.00	158.23	24.25	158.23	0.16
111			27.01	0.00	74.34	12.91	74.34	0.07
112	Germacrene D		27.24	0.00	127.82	26.83	127.82	0.13
113	Beta Selinene		27.58	0.00	306.06	81.89	306.06	0.30
114			27.77	0.00	47.05	8.13	47.05	0.05
115	Beta Bisabolene		28.08	0.00	237.89	50.60	237.89	0.23
116			28.31	0.00	37.83	4.09	37.83	0.04
117			28.58	0.00	22.13	3.78	22.13	0.02
118			28.76	0.00	75.85	15.54	75.85	0.07
119	Delta Cadinene		29.11	0.00	216.08	53.77	216.08	0.21
120			29.30	0.00	228.01	33.12	228.01	0.22
121			29.64	0.00	19.24	4.80	19.24	0.02
122			29.96	0.00	154.69	23.20	154.69	0.15
123	Caryophyllene Oxide		30.32	0.00	2515.36	360.81	2515.36	2.48
124			30.90	0.00	30.99	3.43	30.99	0.03
125			31.14	0.00	248.58	41.34	248.58	0.25
126			31.62	0.00	28.28	4.75	28.28	0.03
127			31.88	0.00	42.44	6.77	42.44	0.04
128			31.98	0.00	52.73	12.52	52.73	0.05
129			32.12	0.00	236.75	60.83	236.75	0.23
130			32.33	0.00	24.95	4.20	24.95	0.02
131			32.47	0.00	49.72	10.84	49.72	0.05
132			32.88	0.00	309.47	69.68	309.47	0.31
133			33.10	0.00	42.27	8.05	42.27	0.04
134			33.34	0.00	159.96	37.61	159.96	0.16
135			33.60	0.00	30.70	4.16	30.70	0.03
136			34.14	0.00	258.19	20.12	258.19	0.25
137			34.57	0.00	123.05	15.36	123.05	0.12
138			35.37	0.00	59.39	9.92	59.39	0.06
139			36.01	0.00	11.20	2.31	11.20	0.01
140			36.29	0.00	42.89	5.29	42.89	0.04
141			36.51	0.00	206.12	39.23	206.12	0.20
142			36.74	0.00	68.30	8.06	68.30	0.07
143			36.96	0.00	30.39	2.68	30.39	0.03
144			37.35	0.00	25.70	2.44	25.70	0.03
145			37.80	0.00	193.49	9.74	193.49	0.19
146			38.48	0.00	221.40	31.85	221.40	0.22
147			38.65	0.00	71.79	6.45	71.79	0.07
148			38.91	0.00	34.15	3.74	34.15	0.03
149			39.14	0.00	26.73	2.82	26.73	0.03
150			39.45	0.00	53.50	10.28	53.50	0.05

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#	Compound Name	Meas. Ret.	Amount	Response	Height	Area	Area %
151		39.55	0.00	62.43	12.20	62.43	0.06
152		39.80	0.00	192.16	17.67	192.16	0.19
153		40.05	0.00	41.97	5.82	41.97	0.04
154		40.23	0.00	61.60	6.44	61.60	0.06
155		40.44	0.00	39.20	5.67	39.20	0.04
156		40.72	0.00	621.47	127.98	621.47	0.61
157		40.93	0.00	89.34	15.40	89.34	0.09
158		41.00	0.00	106.43	21.77	106.43	0.10
159		41.14	0.00	37.74	5.51	37.74	0.04
160		41.38	0.00	46.12	5.75	46.12	0.05
161		41.63	0.00	195.79	34.44	195.79	0.19
162		41.70	0.00	133.60	30.01	133.60	0.13
163		41.78	0.00	102.87	22.86	102.87	0.10
164		42.00	0.00	233.23	42.89	233.23	0.23
165		42.12	0.00	52.97	11.01	52.97	0.05
166		42.27	0.00	100.88	18.33	100.88	0.10
167		42.74	0.00	260.61	16.17	260.61	0.26
168		43.12	0.00	568.13	99.00	568.13	0.56
169		43.20	0.00	416.50	95.52	416.50	0.41
170		43.51	0.00	226.20	22.74	226.20	0.22
171		43.78	0.00	96.02	18.02	96.02	0.09
172		43.89	0.00	148.01	28.18	148.01	0.15
173		43.96	0.00	96.25	21.78	96.25	0.09
174		44.12	0.00	443.90	83.68	443.90	0.44
175		44.20	0.00	301.57	47.66	301.57	0.30

