

Purchase order : 21/22

Sample reception date: 28/03/2022

Document Update :: ENR-047-V2 the 01/08/2021

ANALYSIS REPORT N°: 69557

EIRLAB - Hemp Terpenes

Sample name : Hemp terpenes

Batch number : LS1

Origin: France

Manufacturing date : sept 21

Research and quantification of compounds by GC/MS-QQQ

Compound	Results (%m/m)	LOQ (%m/m) *	Method
CBD CAS : 13956-29-1	0.30	0.01	MO-140
THC CAS : 1972-08-3	< LOQ	0.01	MO-140

* In operational conditions

Saint Beauzire on 07/04/2022 10:05

Dr. Gilles FIGUEREDO

Laboratory manager



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Chromatographic analysis by GC/FID

Sample preparation : 50th dilution in hexane

Rt	# CAS	Compounds	Fid %
9.92	111-71-7	Heptanal	0.033
10.47	16626-39-4	5,5-Dimethyl-1-Vinylbicyclo[2.1.1]hexane	0.155
10.66	2867-05-2	Thujene-Alpha	0.086
10.99	80-56-8	Pinene-Alpha	8.147
11.59	79-92-5	Camphene	0.120
12.43	3387-41-5	Sabinene	0.087
12.64	127-91-3	Pinene-Beta	3.490
13.11	123-35-3	Myrcene	33.128
13.67	99-83-2	Phellandrene-Alpha	0.354
13.72	13466-78-9	Delta-3-Carene	0.668
14.03	99-86-5	Terpinene-Alpha	0.269
14.34	99-87-6	Cymene-Para	0.058
14.47	138-86-3	Limonene	1.360
14.64	555-10-2	Phellandrene-Beta	0.760
14.61	470-82-6	Eucalyptol	0.168
14.66	3338-55-4	Ocimene-(Z)-Beta	0.711
15.07	3779-61-1	Ocimene-(E)-Beta	8.491
15.47	99-85-4	Terpinene-Gamma	0.205
15.96	17699-16-0	Sabinene-Cis-Hydrate (OH vs IPP)	0.050
16.45	586-62-9	Terpinolene	14.022
16.65	1195-32-0 +1195-79-5	Cymenene-Para+Fenchone	0.055
16.88	78-70-6	Linalool	0.144
17.07	124-19-6	n-Nonanal	0.079
17.36	18368-95-1	Menthatriene-Para-(1,3,8)	0.034
17.63	14575-74-7	Fenchol-Endo	0.032

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FID

Rt	# CAS	Compounds	Fid %
17.76	7216-56-0	Ocimene-Allo	0.062
17.87	4501-58-0	Campholenal-Alpha	0.039
18.08	6090-09-1	1-(4-methyl-3-cyclohexen-1-yl)ethanone	0.024
18.32	-	Unknown MW152	0.134
18.81	89-80-5	Menthone	0.048
19.36	507-70-0	Borneol	0.022
19.50	-	Unknown MW152	0.068
19.56	562-74-3	4-Terpinenol	0.045
19.73	2639-63-6	Hexyl Butanoate	0.060
20.03	98-55-5	Terpineol-Alpha	0.046
24.91	14912-44-8	Ylangene-Alpha	0.021
25.10	3856-25-5	Copaene-Alpha	0.017
25.24	6378-65-0	Hexyl Hexanoate	0.098
25.32	159407-35-9	7-Epi-Sesquithujene	0.033
25.70	58319-06-5	Sesquithujene	0.042
25.90	118-65-0	Isocaryophyllene	0.227
26.06	18252-46-5	Bergamotene Alpha-Cis	0.141
26.23	512-61-8	Santalene-Alpha	0.173
26.39	87-44-5	Caryophyllene-Beta	11.672
26.48	29873-99-2	Elemene-Gamma	0.243
26.55	13474-59-4	Bergamotene-Alpha-Trans	1.113
26.65	3691-12-1	Guaiene-Alpha	0.016
26.75	-	Unknown MW204	0.012
26.85	489-39-4	Aromadendrene	0.083
26.98	18794-84-8	Farnesene-(E)-Beta	1.530

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(end)

Rt	# CAS	Compounds	Fid %
27.07	-	Unknown MW204	0.074
27.30	6753-98-6	Humulene-Alpha	3.572
27.39	25246-27-9	Aromadendrene-Allo	0.380
27.70	-	Unknown MW204	0.121
27.77	30021-74-0	Muurolene-Gamma	0.062
27.91	-	Unknown MW204	0.107
27.98	-	Unknown MW204	0.237
28.15	17066-67-0	Selinene-Beta	0.768
28.29	-	Unknown MW204	0.624
28.45	495-61-4	Bisabolene-Beta	0.132
28.49	28976-67-2	Curcumene-Beta	0.080
28.63	90131-02-5	Sesquicineole	0.048
28.72	-	Unknown MW204	0.222
28.88	20307-83-9	Sesquiphellandrene-Beta	0.292
29.01	-	Unknown MW204	0.021
29.15	-	Unknown MW204	0.333
29.23	25532-79-0	Bisabolene-(E)-Alpha	0.105
29.32	138874-69-8	Selina-4(15),7(11)-diene (Selinene-Gamma)	0.301
29.42	6813-21-4	Selina-3,7(11)-Diene	0.415
29.72	-	Unknown MW220	0.166
29.89	15423-57-1	Germacrene-B	0.194
30.49	1139-30-6	Caryophyllene-Oxyde	1.379
30.87	-	Unknown MW220	0.023
31.01	446050-56-2	5-Epi-7-Epi-Alpha-Eudesmol	0.029
31.15	19888-34-7	Humulene-1,2-Epoxyde	0.298

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Rt	# CAS	Compounds	Fid %
31.45	15051-81-7	10-Epi-Gamma-Eudesmol	0.055
31.67	-	Unknown MW220	0.050
31.82	-	Unknown MW220	0.141
32.17	-	Unknown MW220	0.031
38.11	20016-73-3	Camphorene-Meta	0.250
38.83	20016-72-2	Camphorene-Para	0.122
46.71	521-37-9	Cannabidiol	0.187
		Total	99.682

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