

Purchase order : 19/22
Sample received at the lab on : 04/04/2019
Document update : ENR-047-V1 du 04/01/2019

HEMPTURE

**6a Abbey Street Upper,
Dublin 1, Ireland.**

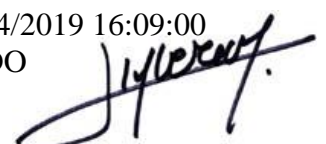
ANALYSIS REPORT N°: 46431

Hemp essential oil - Batch 18LS

Chromatographic analysis by GC/FID

Rt	# CAS	Compounds	Fid %
10.71	110-43-0	2-Heptanone	0.029
11.18	111-71-7	Heptanal	0.057
11.97	16626-39-4	5,5-Diméthyl-1-Vinylbicyclo[2.1.1]hexane	0.220
12.18	2867-05-2	Alpha-Thujène	0.102
12.50	80-56-8	Alpha-Pinène	9.694
13.09	79-92-5	Camphène	0.149
13.90	3387-41-5	Sabinène	0.108
14.14	127-91-3	Béta-Pinène	3.672
14.57	123-35-3	Myrcène	32.051
14.97	109-21-7	Butanoate de Butyle	0.010
15.12	554-61-0	Delta-2-Carène	0.355
15.22	13466-78-9	Delta-3-Carène	0.728
15.49	99-86-5	Alpha-Terpinène	0.262
15.75	1195-32-0	Para-Cyménène	0.097
15.94	138-86-3	Limonène	1.345
16.00	555-10-2	Béta-Phellandrène	0.899
16.04	470-82-6	Eucalyptol	0.204
16.09	3338-55-4	(Z)-Béta-Ocimène	0.702
16.51	3779-61-1	(E)-Béta-Ocimène	7.530
16.91	99-85-4	Gamma-Terpinène	0.220
17.42	17699-16-0	Cis-Hydrate de Sabinène (OH vs IPP)	0.047
17.90	586-62-9	Terpinolène	12.121
18.07	1195-32-0+1195-79-5	Para-Cyménène+Fenchone	0.021
18.24	78-70-6	Linalol	0.170
18.38	124-19-6	n-Nonanal	0.058

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Dr. Gilles FIGUEREDO
Laboratory manager

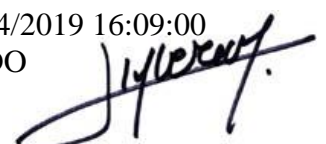


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Rt	# CAS	Compounds	Fid %
18.74	18368-95-1	(1,3,8)-Para-Menthatriène	0.038
19.18	7216-56-0	Allo-Ocimène	0.029
19.69	-	Epoxy-terpinolène	0.117
20.92	562-74-3	Terpinène-4-ol	0.051
21.09	2639-63-6	Butanoate d'Hexyle	0.063
21.33	98-55-5	Alpha-Terpinéol	0.046
24.00	4180-23-8	(E)-Anéthol	0.030
26.45	14912-44-8	Alpha-Ylangène	0.030
26.64	6378-65-0	Hexanoate d'Hexyle	0.132
26.83	159407-35-9	7-Epi-Sesquithujène	0.032
27.45	118-65-0	(Z)-Caryophyllène	0.233
27.57	58319-06-5	Sesquithujène	0.162
27.78	512-61-8	Alpha-Santalène	0.192
27.93	87-44-5	Béta-Caryophyllène	12.988
28.00	29873-99-2	Gamma-Elémène	0.106
28.08	13474-59-4	Alpha-Trans-Bergamotène	1.231
28.18	17334-55-3	Béta-Gurgunène	0.025
28.46	28973-97-9	(Z)-Béta-Farnésène	1.624
28.82	6753-98-6	Alpha-Humulène	3.924
28.91	25246-27-9	Allo-Aromadendrène	0.527
29.20	30021-74-0	Gamma-Muuroolène	0.119
29.64	17066-67-0	Béta-Sélinène	0.862
29.69	21747-46-6	Viridiflorène	0.109
29.76	26560-14-5	(Z,E)-Alpha-Farnésène	0.202
29.81	473-13-2	Alpha-Sélinène	0.555

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Chromatographic analysis by GC/FID (end)

Rt	# CAS	Compounds	Fid %
29.93	495-61-4	Béta-Bisabolène!	0.226
29.97	28976-67-2	Béta-Curcumène	0.068
30.35	20307-83-9	Béta-Sesquiphellandrène	0.141
30.39	39029-41-9	Gamma-Cadinène	0.139
30.64	-	Alcool Sesquiterpénique MW 204*	0.360
30.70	-	Alcool Sesquiterpénique MW 204*	0.104
30.80	-	Alcool Sesquiterpénique MW 204*	0.374
30.92	6813-21-4	Selina-3,7(11)-diène	0.458
31.16	-	Alcool Sesquiterpénique MW 204*	0.018
31.24	40716-66-3	(E)-Nérolidol	0.152
31.37	15423-57-1	Germacrène B	0.242
31.95	1139-30-6	Oxyde de caryophyllène	1.358
32.59	19888-34-7	Humulène-1,2-Epoxyde	0.302
32.96	-	Alcool Sesquiterpénique MW 222*	0.033
33.25	-	Alcool Sesquiterpénique MW 222*	0.046
		Total	98.299

* Unidentified isomer

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