



Gas Chromatography Analysis

Dear Customer,

Attached you will find the results of gas chromatographic analysis based on the information provided by our Producer/Laboratory for:

Sample Reference **1282**

We testify that the Chromatographic Analysis (GC) for the mentioned sample is identical with:

Product No.:	1282
Product Name:	Cordia verbenacea (Black Sage)
Botanical Name:	Cordia verbenacea D.C.
Batch No.:	1020239

Bühl, 2020-07-27


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Dr. David Nayan

Rt	# CAS	Compounds	Fid %
10.47	508-32-7	Tricyclène	0.062
10.57	2867-05-2	Alpha Thujène	0.651
11.00	80-56-8	Alpha-Pinène	44.261
11.52	79-92-5	Camphène	0.204
12.37	3387-41-5	Sabinène	0.761
12.55	127-91-3	Béta-Pinène	0.797
12.91	123-35-3	Myrcène	0.340
13.58	99-83-2	Alpha-Phellandréne	0.052
13.95	99-86-5	Alpha-Terpinène	0.040
14.27	99-87-6	Para-Cymène	0.141
14.40	138-86-3	Limonène	0.544
14.47	555-10-2	Béta-Phellandréne	0.486
14.53	470-82-6	Eucalyptol	1.394
14.60	3338-55-4	(Z)-Béta-Ocimène	0.063
14.96	3779-61-1	(E)-Béta-Ocimène	0.032
15.40	99-85-4	Gamma-terpinène	0.075
16.32	586-62-9	Terpinolène	0.025
17.03	124-19-6	n-Nonanal	0.112
17.81	4501-58-0	Alpha-Campholénal	0.063
18.28	547-61-5	Trans-Pinocarvéol	0.345
18.53	76-22-2	Camphre	0.045
18.99	16812-40-1	Pinocarvone	0.041

Rt	# CAS	Compounds	Fid %
19.50	562-74-3	Terpinène-4-ol	0.163
19.97	98-55-5	Alpha-Terpinéol	0.026
22.50	76-49-3	Acétate de Bornyle	0.464
23.77	32531-56-9	Bicycloélémente	0.462
23.86	20307-84-0	Delta-Elémène	2.980
24.17	150-84-5+80-26-2	Acétate de Citronellyle + Acétate d'Alpha-Terpinyle	0.462
24.87	22469-52-9	Cyclosativène	0.170
25.01	3856-25-5	Alpha-Copaène	0.496
25.15		Béta-Elémène*	0.197
25.27	5208-59-3	Béta-Bourbonène	0.199
25.35	515-13-9	Béta-Elémène	3.274
25.62	58319-06-5	Sesquithujène	0.916
25.98	18252-46-5	Alpha-Cis-Bergamotène	0.834
26.17	512-61-8	Alpha-Santalène	6.218
26.30	87-44-5	Béta-Caryophyllène	10.446
26.40	29873-99-2	Gamma-Elémène	0.171
26.47	13474-59-4	Alpha-Trans-Bergamotène	0.388
26.54	17334-55-3	Béta-Gurjunène	0.535
26.74	37839-64-8	Guaia-6-9-diène	0.097
26.90	18794-84-8	(E)-Béta-Farnésène	0.278
27.00	58319-04-3	Sesquisabinène	1.211
27.20	6753-98-6	Alpha-Humulène	2.620
27.34	25246-27-9	Allo-Aromadendrene	3.840
27.60	30021-74-0	Gamma-Murolène	0.049

Rt	# CAS	Compounds	Fid %
27.73	644-30-4	Ar-Curcumène	0.414
27.82	23986-74-5	Germacrene D	1.434
27.92	28624-28-4	Delta-Sélinène	0.122
28.06	495-60-3	Alpha-Zingiberène	1.168
28.20	24703-35-3	Bicyclogermacrène	0.723
28.37	495-61-4	Béta Bisabolène	1.855
28.63	39029-41-9	Gamma-Cadinène	0.021
28.70	483-76-1	Delta-Cadinène	0.947
28.80	20307-83-9	Béta-Sésquiphellandrene	0.510
28.83	53585-13-0	(E)-Gamma-Bisabolène	0.534
30.42	1139-30-6	Oxyde de Caryophyllène	0.538
31.43	-	Sesquiterpène Oxygéné MW 220	0.892
32.35	-	Sesquiterpène Oxygéné MW 218	0.509
32.58	-	Sesquiterpène Oxygéné MW 218	0.576
		Total	97.273