



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 3012

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

Product No.:	3012
Product Name:	Frankincense, serrata
Botanical Name:	Boswellia serrata
Batch No.:	1019796

Bühl, 2020-01-08

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Dr. David Nayan

Rt	# CAS	Compounds	Fid %
10.56	508-32-7	Tricyclène	0.116
10.91	2867-05-2	Alpha Thujène	71.189
11.10	80-56-8	Alpha-Pinène	5.645
11.45	-	Thuja-2,4(10)-diène*	0.334
11.63	471-84-1	Alpha-Fenchène	0.004
11.68	79-92-5	Camphène	0.076
11.83	36262-09-6	Thuja-2,4(10)-diène	0.007
12.54	3387-41-5	Sabinène	5.649
12.71	127-91-3	Béta-Pinène	0.378
13.07	123-35-3	Myrcène	0.770
13.75	99-83-2	Alpha-Phellandrène	1.252
13.82	13466-78-9	Delta-3-Carène	3.557
14.10	99-86-5	Alpha-Terpinène	0.288
14.24	527-84-4	Ortho-Cymène	0.063
14.44	99-87-6	Para-Cymène	1.731
14.56	138-86-3	Limonène	2.189
14.62	555-10-2	Béta-Phellandrène	0.340
14.69	470-82-6	Eucalyptol	0.015
14.74	3338-55-4	(Z)-Béta-Ocimène	0.441
15.10	3779-61-1	(E)-Béta-Ocimène	0.227
15.53	99-85-4	Gamma-Terpinène	0.609
16.04	17699-16-0	Cis-Hydrate de Sabinène (IPP vs. OH)	0.099
16.33	-	Terpinolène Isomère	0.022
16.45	586-62-9	Terpinolène	0.211

Rt	# CAS	Compounds	Fid %
16.71	1195-32-0	Para-Cyménène	0.009
16.80	539-52-6	Perillène	0.030
16.96	78-70-6	Linalol	0.079
17.10	15826-82-1	Trans-Hydrate de Sabiène (IPP vs. OH)	0.093
17.28	546-80-5	Cis-Thujone	0.026
17.65	471-15-8	Trans-Thujone	0.224
18.38	29606-76-6	Trans-Sabinol	0.041
18.45	547-61-5	Trans-Pinocarvéol	0.022
19.16	1686-20-0	Para-Mentha-1,5-diène-8-ol	0.021
19.66	20126-76-5	Terpinène-4-ol	0.338
19.92	4371-50-0	Para-Cymène-9-ol	0.041
20.13	98-55-5	Alpha-terpinéol	0.037
20.21	140-67-0	Estragol	1.405
21.49	115-95-7	Acétate de Linalyle	0.019
22.65	76-49-3	Acétate de Bornyle	0.020
24.36	80-26-2	Acétate d'Alpha-Terpinyle	0.041
24.98	14912-44-8	Alpha-Ylangène	0.015
25.16	3856-25-5	Alpha-Copaène	0.095
25.41	5208-59-3	Béta-Bourbonène	0.581
25.50	-	1,5-Di-Epi-Bourbonène*	0.048
25.86	93-15-2	Méthyl-Eugénol	0.097
25.93	41432-70-6	Béta-Longipinène	0.086
26.33	20479-06-5	Béta-Ylangène	0.060
26.40	87-44-5	Béta-Caryophyllène	0.012

Rt	# CAS	Compounds	Fid %
26.60	13474-59-4	Alpha-Trans-Bergamotene	0.040
26.65	18252-44-3	Béta-Copaène	0.067
27.67	486998-53-2	Amorpha-4,7(11)-diène	0.029
27.77	30021-74-0	Gamma-Murolène	0.027
27.98	23986-74-5	Germacrène D	0.169
28.04	53111-25-4	Gamma-Himachalène	0.131
28.76	39029-41-9	Gamma-Cadinène	0.008
28.84	483-76-1	Delta-Cadinène	0.019
29.24	3321-66-2	Kessane	0.060
29.53	487-11-6	Elémicine	0.019
35.16	-	Dimère Alpha phellandrène*	0.035
38.50	71213-92-8	Cembrène A(3Z)	0.029
40.01	-	Diterpène inconnu MW 280	0.015
42.26	67814-27-1	Cembrenol-Serratol	0.085
		Total	99.385