



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 **1285**

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

Product No.:	1285
Product Name:	Cryptomeria japonica
Botanical Name:	Cryptomeria japonica
Batch No.:	1019741

Bühl, 2020-03-23

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Dr. David Nayan

Rt	# CAS	Compounds	Fid %
10.58	508-32-7	Tricyclène	0.036
11.02	80-56-8	Alpha-Pinène	1.575
11.60	471-84-1	Fenchène	0.013
11.66	79-92-5	Camphène	0.025
12.48	3387-41-5	Sabinène	0.069
12.68	127-91-3	Béta-Pinène	0.037
13.04	123-35-3	Myrcène	0.112
13.75	13466-78-9	Delta-3-Carène	0.263
14.08	99-86-5	Alpha-Terpinène	0.010
14.40	99-87-6	Para-Cymène	0.008
14.51	138-86-3	Limonène	0.368
14.60	555-10-2	Béta-Phéllandréne	0.011
15.52	99-85-4	Gamma-Terpinène	0.019
16.43	586-62-9	Terpinolène	0.035
19.10	498-16-8	Lavandulol	0.010
19.61	562-74-3	Terpinen-4-ol	0.024
20.08	98-55-5	Alpha-Terpinéol	0.014
20.54	16721-39-4	Trans-Pipéritol	0.007
22.62	76-49-3	Acétate de Bornyle	0.036
22.98	30649-97-9	Myrténate de méthyle	0.046
23.96	20307-84-0	Delta-Elémène	0.196
24.30	80-26-2	Acétate d'Alpha-Terpinyle	1.409
25.12	3856-25-5	Alpha-Copaène	0.607
25.27	159405-35-9	7-Epi-Sesquithujène	0.033

Rt	# CAS	Compounds	Fid %
25.44	18252-44-3	Béta-Copaène	1.692
26.37	87-44-5	Béta-Caryophyllène	1.723
26.50	29873-99-2	Gamma-Elémène	0.084
26.60	18252-44-3	Béta-Copaène	0.098
27.00	28973-97-9	(Z)-Béta-Farnésène	0.109
27.13	157374-44-2	Trans-Muurola-3,5-Diène	2.966
27.32	6753-98-6	Alpha-Humulène	1.406
27.70	20085-11-4	27.77 Cadina-1(6),4-diene<trans->	5.701
27.74	30021-74-0	Gamma-Murolène	0.819
27.85	644-30-4	Ar-Curcumène	0.210
27.95	23986-74-5	Germacrène-D	0.543
28.30	189165-79-5	Delta-Amorphène	7.249
28.37	31983-22-9	Alpha-Murolène	6.938
28.50	495-61-4	Béta Bisabolène	1.127
28.74	39029-41-9	Gamma-Cadinène	0.539
28.94	483-76-1	Delta-Cadinène	26.236
29.04	72937-55-4	Cis-Calaménène	5.677
29.24	38758-02-0	Trans-Cadina-1,4-Diène	2.369
29.31	82468-90-4	Alpha-Cadinène	0.086
29.47	21391-99-1	Alpha-Calacorène	0.292
29.64	639-99-6	Elemol	4.813
29.93	15423-57-1	Germacrène-B	0.110
29.99	50277-34-4	Béta-Calacorène	0.073
30.52	72203-99-7	Gleenol	0.860

Rt	# CAS	Compounds	Fid %
30.96	28305-60-4	Béta-Oplopanone	0.083
31.20	19903-73-2	Epi-Cédrol	0.035
31.28	126060-41-1	32.49 Copaen-4-alpha-ol<beta->	0.049
31.57	19912-67-5	1-Epi-Cubénol	5.290
31.66	1209-71-8	Gamma-Eudesmol	1.508
31.74	593711-1	Epi-Alpha-Cadinol	0.103
31.92	-	Sesquiterpène oxygéné MW 222	4.360
31.98	5937-11-1	Alpha-Muurolol	1.032
32.13	481-34-5	Alpha-Cadinol	0.015
32.28	473-15-4+473-16-5	Béta-Eudesmol+Alpha-Eudesmol	4.748
32.34	-	Sesquiterpène oxygéné MW 222	0.421
33.73	5988-72-7	Cryptomérione	2.043
38.80	1686-56-2	Sandaracopimara-8(14),15-diène	0.239
40.48	19407-28-4	Abiétatriène	0.115
41.11	35241-40-8	Abiétadiène	0.569
		Total	97.293