



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 **2750**

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

Product No.:	2750
Product Name:	Fir (Balsam Fir) organic
Botanical Name:	Abies balsamea
Batch No.:	1019600

Bühl, 2019-10-22


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Dr. David Nayan

Rt	# CAS	Compounds	Fid %
9.10	529-16-8	Santène	2.475
10.60	508-32-7	Tricyclène	1.048
10.71	2867-05-2	alpha Thujène	0.150
11.08	80-56-8	Alpha-Pinène	13.432
11.60	471-84-1	Fenchène	0.042
11.71	79-92-5	Camphène	7.726
11.83	36262-09-6	Thuja-2,4(10)-diène	0.010
12.50	3387-41-5	Sabinène	0.185
12.81	127-91-3	Béta-Pinène	23.899
13.06	123-35-3	Myrcène	1.180
13.86	13466-78-9	Delta-3-Carène	15.199
14.43	99-87-6	Para-Cymène	0.559
14.58	138-86-3	Limonène	8.426
14.67	555-10-2	Béta-Phellandréne	2.648
14.72	470-82-6	Eucalyptol	0.050
16.32	-	Isomère terpinolène	0.010
16.46	586-62-9	Terpinolène	0.065
16.71	1195-79-5	Fenchone	0.217
16.97	78-70-6	Linalol	0.173
17.03	1686-14-2	Oxyde d'Alpha-Pinène	0.130
17.28	546-80-5	Cis-Thujone	0.030
17.74	14575-74-7	Endo-Fenchol	0.024
18.10	13837-75-7	Limonene oxide<cis-> (Me vs. IPP)	0.105
18.45	547-61-5	Trans-Pinocarvéol	0.236

Rt	# CAS	Compounds	Fid %
18.70	76-22-2	Camphre	0.622
18.94	64474-11-9	Camphène-Hydrate	0.180
19.09	547-60-4	trans-Pinocamphone	0.008
19.14	16812-40-1	Pinocarvone	0.093
19.46	507-70-0	Bornéol	0.680
19.60	15358-88-0	Cis-Pinocamphone	0.034
19.66	20126-76-5	Terpinène-4-ol	0.188
19.94	1197-01-9	Para-Cymèn-8-ol	0.161
19.97	500-02-7	Cryptone	0.466
20.13	98-55-5	Alpha-Terpinéol	0.400
20.19	564-94-3	Myrténal	0.206
20.58	80-57-9	Verbénone	0.023
21.04	1076-56-8	Thymol Méthyl-Ether	0.034
21.95	89-81-6	Pipéritone	1.058
22.73	76-49-3	Acétate de Bornyle	13.201
23.56	491-09-8	Pipériténone	0.395
24.52	5989-08-2	Alpha-Longipinène	0.079
25.12	3856-25-5	Alpha-Copaène	0.007
25.49	515-13-9	Béta-Elémène	0.006
26.20	475-20-7	Longifolène	0.367
26.42	87-44-5	Béta-Caryophyllène	0.198
26.62	-	Hydrocarbure sesquiterpénique MW 204	0.041
27.02	28973-97-9	(Z)-Béta-Farnésène	0.046
27.34	6753-98-6	Alpha-Humulène	0.135

Rt	# CAS	Compounds	Fid %
27.71	-	Hydrocarbure sesquiterpénique MW 204	0.009
27.98	-	Hydrocarbure sesquiterpénique MW 204	0.051
28.36	-	Hydrocarbure sesquiterpénique MW 204	0.034
28.51	495-61-4	Béta-Bisabolène	0.832
28.84	39029-41-9	Gamma-Cadinène	0.016
29.30	25532-79-0	(E)-Alpha-Bisabolène	0.044
30.56	1139-30-6	Oxyde de Caryophyllène	0.169
31.24	-	Sesquiterpène Oxygéné MW 220	0.077
31.75	-	Sesquiterpène Oxygéné MW 222	0.015
		Total	97.894

The sample contains no known artificial compound.