



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

1480

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

Product No.:

1480

Product Name:

Galbanum

Botanical Name:

Ferula galbaniflua

Batch No.:

1012392

Bühl, 2019-04-11


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Dr. David Nayan

TR	Compound	% GC FID
11.747	alpha thuyene	2,57
12.082	alpha pinene	6,93
12.539	camphene	0,12
13.277	sabinene	3,53
13.636	beta pinene	47,86
13.707	beta myrcene	2,02
14.366	alpha phellandrene	0,53
14.714	delta 3 carene	3,69
14.835	alpha terpinene	0,86
14.931	paracymene	1,23
15.331	limonene	2,87
	trans beta ocimene	0,19
16.407	gamma terpinene	1,98
16.586	sabinene trans hydrate	0,19
17.646	terpinolene	0,76
	linalol	Tr
	thuyone	Tr
17.811	sabinene cis hydrate	0,19
18.512	alcoool fenchylique	0,05
19.589	trans pinocarveol	0,15
20.229	allo ocimene	0,05
21.140	undecatriene 1/2	0,43
21.268	4 terpinenol	3,13
	estragole	Tr
21.529	undecatriene 2/2	0,12
21.639	alpha terpineol	0,34
21.926	myrtenol	0,12
23.165	acetate fenchyle	0,28
23.401	thymol methyl ether	0,10
23.879	carvacryl methyl ether	0,47
	anethole	Tr
25.854	acetate bornyle	0,05
	thymol	Tr
	carvacrol	Tr
28.507	acetate terpenyle	0,26
30.025	alpha cubebene	0,05
30.238	cyclosativene	0,18
30.472	alpha copaene	0,28
30.815	beta bourbonene	0,17
30.924	beta elemene	0,25
32.350	beta caryophyllene	0,13
32.733	alpha gurjunene	0,33
33.892	germacrene D	2,10
35.131	alpha elemene	0,31
35.197	alpha muurolene	0,42
35.781	gamma cadinene	1,43
35.893	calamenene	0,24
36.054	delta cadinene	1,44
36.660	cis alpha bisabolene	0,29
37.997	spathulenol	0,16
38.770	guaïol	1,14
40.291	epibicyclosesquiphellandrene	1,20
41.280	bulnesol	0,92
43.383	acetate guaiyle	0,16
	total	92,27

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