



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 **1099**

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

Product No.:	1099
Product Name:	Artemisia annua
Botanical Name:	Artemisia afra
Batch No.:	1018948

Bühl, 2019-04-10

Ayus GmbH
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Dr. David Nayan

Rt	Components	% Fid
8.94	2-Méthyl-Butyrate d'Ethyle	0.272
10.91	Santolina-Triène	0.398
11.71	Tricyclène	0.119
11.83	Alpha-Thujène	0.033
12.18	Alpha-Pinène	8.384
12.51	2-Méthyl-Butyrate de Propyle	0.097
12.78	Camphène	1.729
13.60	Sabinène	1.835
13.79	Béta-Pinène	1.048
14.20	Déhydro-1,8-Cinéole	0.112
14.44	Yomogi Alcool	0.768
15.18	Alpha-Terpinène	0.116
15.48	Para-Cymène	0.297
15.53	Limonène	0.361
15.65	Béta-Phellandrène	0.037
15.80	Eucalyptol	10.054
15.85	(Z)-Béta-Ocimène	0.037
16.76	Artémisia Cétone	44.008
17.43	Artémisia Alcool	4.427
18.05	Linalol	0.434

Rt	Components	% Fid
30.16	Béta-Sesquiphellandrène	0.046
31.57	Spathulénol	0.071
31.70	Oxyde de Caryophyllène	0.272

Rt	Components	% Fid
18.16	Trans-Hydrate de Sabinène	0.182
18.31	2-Méthyl-Butanoate de 3-Méthyl-butényle*	0.165
19.58	Trans-Pinocarvéol	2.145
19.73	Camphre	8.039
20.13	Pinocarvone	1.138
20.71	Terpinène-4-ol	0.622
21.15	Alpha-Terpinéol+Myrténal	0.572
21.51	Verbénone	0.071
24.01	Acétate de Cis Pinocarvéyle	0.116
26.33	Alpha-Copaène	0.363
26.50	2,2-Diméthyl-Propanoate de Phényl-Méthyle	0.129
27.58	Béta-Caryophyllène	1.960
28.18	Sesquisabinène	0.450
28.50	Alpha-Humulène	0.167
29.16	Germacrène-D	2.327
29.38	Béta-Sélinène	0.714
29.50	Bicyclogermacrène	0.160
29.78	Béta-Himachalène	0.014
29.91	3,6-Dehydro-chamazulène Isomère	0.018
29.99	Delta-Cadinène	0.059

Rt	Components	% Fid
35.20	Chamazulène	0.018
	Total	94.384