



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

1660

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

Product No.:

1660

Product Name:

Cassis, abs

Botanical Name:

Ribes nigrum

Batch No.:

1014316

Bühl, 2019-03-07


Ayus GmbH
Am Dreschschopf 1 D-77815 Bühl/Moos
Tel.: +49-(0)7227-60099-0 Fax: +49-(0)7227-60099-99
E-Mail: info@oshadhi.eu Web: www.oshadhi.eu

Dr. David Nayan

Signal 1: FID2 B, Back Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
1	10.303	BB	0.0572	2.39575	6.79109e-1	0.28222
2	11.940	BB	0.0554	3.71476	1.10021	0.43760
3	12.629	BB	0.0603	3.71573	1.05573	0.43771
4	13.099	BB	0.0573	4.47161	1.36901	0.52675 <i>α phell</i>
5	13.388	BB	0.0607	4.89033	1.27512	0.57608 <i>β phell</i>
6	14.190	BB	0.0640	55.60469	13.50974	6.55020 <i>Terpinolene</i>
7	14.660	BB	0.0622	29.94792	8.13053	3.52785
8	15.011	BB	0.0546	11.91287	3.60471	1.40333
9	15.473	BV	0.0571	14.96058	4.25103	1.76235
10	15.647	VB	0.0547	1.82553	5.50962e-1	0.21505
11	16.235	BV	0.0681	5.37272	1.28258	0.63290
12	16.423	VB	0.0573	116.55019	32.90028	13.72955 <i>α Terpinene</i>
13	18.229	BV	0.0995	5.52252	8.02262e-1	0.65055
14	18.372	VB	0.0588	6.87144	1.87510	0.80945
15	18.833	BV	0.0571	5.00174	1.41924	0.58920
16	18.997	VB	0.0731	24.88261	5.38513	2.93116
17	21.461	BB	0.0592	2.69233	7.27647e-1	0.31716
18	22.057	BB	0.0700	5.14363	1.18193	0.60592
19	22.974	BB	0.0781	6.87754	1.29251	0.81017
20	23.905	BB	0.0685	11.50112	2.72029	1.35483
21	25.914	BB	0.0961	16.56746	2.51400	1.95164
22	26.335	BB	0.0667	6.63264	1.63010	0.78132
23	27.160	BV	0.0681	5.24912	1.25293	0.61834
24	27.358	VV	0.0607	172.49025	48.51909	20.31926 <i>α humulene</i>
25	27.548	VB	0.1254	7.18789	8.68170e-1	0.84673
26	27.958	BB	0.0656	11.82039	2.97163	1.39244
27	28.337	BB	0.0566	70.15688	20.18424	8.26444 <i>β germacrene</i>
28	28.850	BB	0.0627	10.50123	2.81905	1.23704
29	29.076	BV	0.0580	4.22711	1.17431	0.49795
30	29.522	VB	0.0941	27.24858	4.24687	3.20987
31	30.119	BV	0.1163	49.03430	5.70603	5.77621
32	30.436	VV	0.0712	2.38619	5.35016e-1	0.28109
33	30.620	VV	0.0755	4.34631	9.55628e-1	0.51199
34	30.764	VB	0.0792	8.22291	1.59829	0.96865
35	31.627	BB	0.0671	17.85888	4.34763	2.10377
36	31.848	BB	0.0619	11.59650	3.16543	1.36606
37	32.529	BB	0.0662	6.27767	1.55796	0.73951
38	33.681	BB	0.1175	6.23183	9.19539e-1	0.73411
39	34.076	BB	0.0791	5.20990	1.07185	0.61372
40	41.976	BB	0.0531	5.41792	1.70257	0.63823
41	45.671	BB	0.0756	16.04531	3.13979	1.89013
42	48.515	BB	0.0668	11.26946	2.76016	1.32754
43	49.692	BB	0.0580	7.31496	2.02998	0.86170
44	50.412	BB	0.0711	4.42064	9.93123e-1	0.52075
45	50.684	BB	0.0588	8.55028	2.33292	1.00722
46	51.081	BB	0.0802	4.56577	8.73070e-1	0.53785
47	52.347	BB	0.0681	2.45972	5.86761e-1	0.28975
48	52.957	BB	0.1326	5.96361	6.70108e-1	0.70251

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Height [pA]	Area %
49	58.106	BB	0.1055	7.14484	1.04388	0.84166
50	74.519	BB	0.0916	8.64617	1.52874	1.01851

Totals : 848.90031 208.81200