



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 **1261**

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

Product No.:	1261
Product Name:	Citronella (Java-Type) organic
Botanical Name:	Cymbopogon winterianus
Batch No.:	1019352

Bühl, 2020-03-18


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Dr. David Nayan

R.Time	Name	Area%
15.614	Hept-5-en-2-one <6-methyl->	1.83
15.851	Myrcene	0.17
15.957	Cineole <dehydro1,8>	0.03
16.801	Octanal<n->	0.04
18.411	Limonene	2.54
18.531	Phellandrene <beta>	0.03
18.654	Menthan-8-ol<para>	0.02
18.786	Ocimene<(Z)-beta->	0.15
19.482	Ocimene<(E)-beta->	0.11
19.976	Bergamot	0.06
22.117	Terpinolene	0.03
22.547	Rosefuran	0.04
23.005	Perillene	0.02
23.108	Linalool	1.65
23.589	Pinene oxide<alpha>	0.06
25.042	Cyclohexanethanol <beta-methyl>	0.05
25.836	Epiphysocitral A	0.11
26.143	Isocitral <exo>	0.08
26.550	Chrysanthamal <trans>	0.32
26.795	Citronellal	5.07
27.235	Isopulegol<iso->	0.05
27.392	Isocitral <cis>	0.41
27.964	Rosefuran epoxide	0.05
28.582	Menthol	0.03
28.714	Isocitral <E->	0.65
28.815	Anethofuran+Piperitol<Z>	0.05
29.516	Nonenyl acetate	0.08
29.721	Decanal <4-cis>	0.03
30.548	Decanal<n->	0.38
31.755	Nerol	0.29
31.941	Citronellol	3.12
32.814	Neral	7.84
33.776	Geraniol	47.69
34.886	Geranial	9.32
36.790	Geranyl formate	0.08
40.185	Citronellyl acetate	0.98
40.775	Neryl acetate	0.11
41.465	Ylangene <alpha>	0.07
41.886	Copaene<alpha>	0.03
42.109	Geranyl acetate	7.92
42.421	Bourbonene <alpha>	0.05
42.793	Elemene <beta>	0.40
44.753	Caryophyllene <trans>	4.45
45.542	Bergamolene<alpha-trans->	0.31
46.543	Isoeugenol<E->	0.08
46.780	Farnesene<(E)-beta->	0.07
47.007	Humulene <alpha>	0.53
47.419	Cadina-1(6),4-diene <cis>	0.03
48.208	Cadina-1(6),4-diene <trans>	0.04
48.603	Germacrene D	0.37
49.677	Murolene <alpha>	0.10
50.580	Amorphene <delta>	0.98
50.856	Cadinene <delta>	0.47
51.988	Cadinene <alpha>	0.04
52.695	Elemol <alpha>	0.12
54.387	Germacrene D-4-ol	0.05
54.725	Caryophyllene oxide	0.39
58.175	Murolol <alpha>	0.03
58.295	Murolol<epi-alpha>	0.04
58.948	Cadinol<alpha>	0.11
		100.00