

Chamomile German
 Lot# BUZ23-ZK
 Country: Bulgaria



GC/MS Report
 Components

Ret. Time	Component	Ret. Idx.	Conc. %	
3.987	3-Methylbutanal	648	0.01%	
4.091	2-Methylbutanal	659	0.01%	
4.301	3-Penten-2-ol	680	0.01%	
8.216	Ethyl 2-methylbutyrate	843	0.06%	
10.454	Unidentified	902	0.01%	
12.077	alpha-Pinene	932	0.02%	
12.616	Propyl 2-methylbutyrate	941	0.03%	
14.215	Sabinene	971	0.02%	
14.513	beta-Pinene	976	0.02%	
15.166	Unidentified	988	0.06%	
15.458	Yomogi alcohol	994	0.02%	
15.996	Octanal	1003	0.02%	
17.321	para-Cymene	1024	0.07%	
17.611	Limonene	1028	0.03%	IFRA
17.790	1,8-Cineole	1031	0.01%	
18.011	cis-beta-Ocimene	1034	0.12%	
18.686	trans-beta-Ocimene	1045	0.72%	
19.415	Artemisia ketone	1056	0.44%	
20.856	Artemisia alcohol	1078	0.04%	
21.258	Terpinolene	1084	0.13%	
22.572	Nonanal	1104	0.04%	
26.570	beta-Artemisia acetate	1162	0.02%	
27.131	Unidentified	1171	0.03%	
31.508	cis-3-Hexenyl isovalerate	1235	0.02%	IFRA
31.957	Cuminaldehyde	1241	0.02%	IFRA
33.806	Unidentified	1268	0.03%	
34.930	trans-Anethole	1285	0.12%	
35.933	Tridecane	1300	0.04%	
37.947	delta-Elemene	1330	0.18%	
40.067	Decanoic acid	1363	0.02%	
40.807	alpha-Copaene	1374	0.07%	
41.187	Modhephene	1380	0.04%	
41.607	alpha-Isocomene	1386	0.13%	
41.704	beta-Elemene	1388	0.08%	
43.064	beta-Isocomene	1409	0.02%	
43.595	beta-Caryophyllene	1418	0.15%	
44.776	Aromadendrene	1436	0.08%	
45.769	trans-beta-Farnesene	1452	20.24%	
46.118	Alloaromadendrene	1458	0.09%	
46.547	Dehydrosesquicineole	1465	0.08%	

Ret. Time	Component	Ret. Idx.	Conc. %
47.083	trans-Cadina-1(6),4-diene	1473	0.11%
47.253	Unidentified	1476	0.04%
47.448	Germacrene D	1479	2.41%
47.929	beta-Selinene	1487	0.11%
48.061	cis,cis-alpha-Farnesene	1489	0.54%
48.331	Bicyclogermacrene	1493	2.53%
48.527	alpha-Muurolene	1497	0.06%
48.901	trans,trans-alpha-Farnesene	1503	3.53%
49.103	beta-Bisabolene	1506	0.12%
49.253	3,6-Dihydrochamazulene	1509	0.19%
49.389	gamma-Cadinene	1511	0.13%
49.703	delta-Cadinene	1516	0.18%
50.136	Matricaria ester	1524	0.73%
51.041	trans-alpha-Bisabolene	1539	0.02%
51.422	Unidentified	1545	0.01%
52.097	Unidentified	1557	0.06%
52.240	trans-Nerolidol	1559	0.13%
52.425	Unidentified	1562	0.03%
52.615	Unidentified	1565	0.02%
52.723	Dendrolasin	1567	0.14%
52.985	Matricaria ester analogue	1572	0.02%
53.142	Spathulenol	1574	0.63%
53.336	Unidentified	1578	0.03%
53.600	Unidentified	1582	0.08%
53.668	Unidentified	1583	0.11%
54.080	Unidentified	1590	0.02%
54.173	Globulol	1592	0.12%
54.327	Unidentified	1594	0.03%
54.766	Ledol	1602	0.06%
54.907	Rosifoliol	1604	0.02%
55.271	Unidentified	1611	0.14%
55.445	2-(7Z)-Bisaboladien-4-ol analogue	1614	0.16%
55.729	Unidentified	1619	0.07%
55.919	Unidentified	1622	0.05%
56.045	Unidentified	1625	0.13%
56.254	Unidentified	1628	0.16%
56.365	Unidentified	1630	0.09%
56.702	Unidentified	1636	0.05%
56.904	tau-Cadinol	1640	0.35%
57.015	epi-alpha-Muurolol	1642	0.05%

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57.166	Unidentified	1645	0.07%	
57.621	alpha-Bisabolol oxide B	1653	6.57%	
57.825	Unidentified	1656	0.07%	
57.960	Unidentified	1659	0.21%	
58.030	Unidentified	1660	0.15%	
58.312	trans-Bisabolol-11-ol	1665	0.07%	
58.472	epi-alpha-Bisabolol	1668	0.1%	IFRA
59.107	alpha-Bisabolone oxide A	1679	4.97%	
59.413	alpha-Bisabolol	1685	16.5%	IFRA
59.618	Unidentified	1688	0.07%	
61.230	Hernianin	1718	0.03%	
61.711	Chamazulene	1727	3.78%	
61.849	Bisabolol oxide A analogue	1729	0.07%	
62.811	alpha-Bisabolol oxide A	1747	24.4%	IFRA
63.353	Unidentified	1758	0.02%	
63.685	Unidentified	1764	0.02%	
63.794	Unidentified	1766	0.07%	
63.982	Unidentified	1769	0.02%	
65.196	Unidentified	1792	0.06%	
65.445	beta-Selinene	1797	0.04%	
65.912	Unidentified	1806	0.04%	
67.502	Unidentified	1837	0.02%	
67.654	Phytone	1840	0.27%	
69.512	cis-Spiroether (cis-Tonghaosu)	1876	3.41%	
70.207	trans-Spiroether (trans-Tonghaosu)	1890	0.25%	
70.683	Unidentified	1899	0.02%	
71.494	Unidentified	1916	0.02%	
71.879	Methyl hexadecanoate	1924	0.03%	
73.074	Unidentified	1949	0.14%	
73.478	Hexadecanoic acid	1957	0.03%	
79.706	Unidentified	2089	0.03%	
80.189	Heneicosane	2100	0.02%	
80.466	Phytol	2106	0.07%	
81.736	Unidentified	2134	0.12%	
88.885	Tricosane	2299	0.24%	
92.972	Octacosane	2399	0.05%	
96.905	Pentacosane	2500	0.6%	
104.333	Heptacosane	2699	0.1%	
108.152	Unidentified	2808	0.17%	
108.924	Unidentified	2831	0.21%	

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Total Identified Compounds **97.16 %**