

Carrot Seed  
 Lot# FRX16-XK  
 Country: France



GC/MS Report  
 Components

Ret. Time	Component	Ret. Idx.	Conc. %	
10.511	Heptanal	903	0.01%	
11.454	Hashishene	920	0.01%	
11.719	alpha-Thujene	925	0.12%	
12.140	alpha-Pinene	933	11.95%	
12.915	alpha-Fenchene	947	0.01%	
13.009	Camphene	949	0.06%	
13.207	Thuja-2,4(10)-diene	952	0.01%	
14.275	Sabinene	972	6.75%	
14.567	beta-Pinene	977	3.56%	
15.184	Myrcene	989	1.05%	
16.087	Pseudolimonene	1004	0.06%	
17.365	para-Cymene	1024	0.03%	
17.662	Limonene	1029	1.77%	IFRA
17.740	beta-Phellandrene	1030	0.02%	
17.855	1,8-Cineole	1032	0%	
19.518	gamma-Terpinene	1057	0.01%	
21.626	para-Cymenene	1090	0.01%	
22.221	alpha-Pinene oxide	1099	0.03%	
22.906	Unidentified	1109	0.01%	
25.037	trans-Pinocarveol	1140	0.02%	
25.363	trans-Verbenol	1145	0.02%	
27.773	Terpinen-4-ol	1180	0.01%	
28.800	Myrtenol	1195	0.04%	
28.986	cis-Dihydrocarvone	1198	0.04%	
29.418	trans-Dihydrocarvone	1204	0.02%	
29.582	Verbenone	1206	0.01%	
30.312	Unidentified	1217	0.02%	
32.103	Carvone	1243	0.05%	IFRA
32.538	Geraniol	1250	2.01%	IFRA
32.780	Unidentified	1253	0.01%	
35.737	Unidentified	1297	0.01%	
36.490	4-Vinyl guaiacol	1308	0.02%	
38.998	Unidentified	1346	0.04%	
39.178	Unidentified	1349	0.01%	
39.746	Neryl acetate	1358	0.03%	
40.856	alpha-Copaene	1375	0.02%	
41.068	Geranyl acetate	1378	11.55%	
41.140	Unidentified	1379	0.11%	
41.237	Unidentified	1381	0.07%	
42.707	cis-beta-Caryophyllene	1403	0.02%	

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43.001	Longifolene	1408	0.02%	IFRA
43.268	cis-alpha-Bergamotene	1412	0.01%	
43.680	beta-Caryophyllene	1419	6.73%	
44.099	Unidentified	1426	0.05%	
44.275	Unidentified	1428	0.02%	
44.410	Unidentified	1431	0.03%	
44.510	trans-alpha-Bergamotene	1432	0.33%	
44.627	Unidentified	1434	0.02%	
45.195	Acora-2,4(15)-diene	1443	0.06%	
45.756	trans-beta-Farnesene	1452	0.61%	
45.890	alpha-Humulene	1454	0.03%	
45.973	Unidentified	1456	0.06%	
46.176	cis-Cadina-1(6),4-diene	1459	0.13%	
46.334	Unidentified	1461	0.01%	
46.486	gamma-Decalactone	1464	0.03%	
46.932	gamma-Muurolene	1471	0.39%	
47.163	Unidentified	1475	0.03%	
47.493	Ar-Curcumene	1480	0.06%	
47.664	Unidentified	1483	0.02%	
47.981	beta-Selinene	1488	0.01%	
48.360	cis-Methyl isoeugenol	1494	0.25%	
48.698	Isodaucene	1499	0.39%	
48.928	Unidentified	1503	0.15%	
49.144	beta-Bisabolene	1507	1.09%	
49.325	Unidentified	1510	0.02%	
49.441	Unidentified	1512	0.08%	
49.746	delta-Cadinene	1517	0.01%	
50.098	beta-Sesquiphellandrene	1523	0.07%	
50.336	Dauca-4(11),8-diene	1527	0.06%	
50.476	cis-Calamenene	1529	0.04%	
51.098	Unidentified	1540	0.06%	
51.660	Unidentified	1549	0.03%	
52.315	Unidentified	1560	0.01%	
52.499	Unidentified	1564	1.03%	
52.787	Dendrolasin	1568	0.01%	
53.197	Unidentified	1575	0.01%	
53.512	Caryophyllene oxide	1581	1.22%	
54.130	Unidentified	1591	0.02%	
54.189	Unidentified	1592	0.03%	
54.469	Unidentified	1597	0.05%	

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54.859	Carotol	1604	43.88%	
55.148	Unidentified	1609	0.06%	
55.580	Dillapiole	1616	0.24%	
55.753	Unidentified	1619	0.05%	
55.946	Unidentified	1623	0.14%	
56.095	Unidentified	1626	0.3%	
56.264	Unidentified	1629	0.08%	
56.405	Unidentified	1631	0.03%	
56.660	Unidentified	1636	0.01%	
57.005	Daucol	1642	1.69%	
57.701	Unidentified isomer I	1654	0.05%	
58.538	Unidentified isomer I	1669	0.02%	
58.694	Unidentified	1672	0.2%	
58.799	Unidentified	1674	0.14%	
59.385	epi-alpha-Bisabolol	1684	0.01%	IFRA
59.506	alpha-Bisabolol	1686	0.01%	IFRA
61.154	Unidentified	1716	0.02%	
63.310	Unidentified	1757	0.01%	
63.575	Unidentified	1762	0.01%	
63.837	Unidentified	1767	0.05%	
64.468	Unidentified	1778	0.09%	
66.616	Unidentified	1820	0.01%	
67.691	Phytone	1841	0.03%	
72.934	meta-Camphorene	1946	0.01%	

Total Identified Compounds **96.74 %**