



GC/MS Report

GC2

Item	Lot
*CITJUN9	13522
<i>Citrus junos</i>	
Yuzu EO	

Date	Analyst
5/16/2025	N. K

Sample & Analysis Information

Sample Information

Sample Name: Yuzu**Botanical Name:** Citrus junos**Lot Number:** 13522**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Japan**Analysis Date:** 5/16/2025**Manufacture Date:** May 2025

GC/MS

Inst. ID: Shimadzu GCMS-QP2010Ultra**Injection Type:** Split**Split Ratio:** 24.4**Column Type:** ZB-5**Injection Volume:** 0.1 µL**Temperature Program:** 2C/min

Physical Data

ANALYSIS

Optical Rotation @20°C

Refractive Index @20°C

Specific Gravity @20°C

METHOD

USP[781]

USP[831]

USP[841]

RESULTS

+83.44

1.47318

0.84577

Ret. Time	Component	Ret. Idx.	Conc. %	
12.387	alpha-Thujene	920	0.44%	
12.807	alpha-Pinene	928	1.52%	
13.732	Camphene	944	0.01%	
15.017	Sabinene	966	0.24%	
15.329	beta-Pinene	972	0.86%	
15.956	Myrcene	983	1.88%	
16.895	Pseudolimonene	1000	0.03%	
17.046	alpha-Phellandrene	1002	0.61%	
17.194	delta-3-Carene	1004	0.01%	
17.717	alpha-Terpinene	1012	0.31%	
18.210	para-Cymene	1019	1.1%	
18.633	Limonene	1026	73.13%	IFRA
18.695	beta-Phellandrene	1027	2.63%	
18.905	cis-beta-Ocimene	1030	0.02%	
19.595	trans-beta-Ocimene	1040	0.22%	
20.421	gamma-Terpinene	1053	11.65%	
21.223	trans-Sabinene hydrate	1065	0.01%	
22.226	Terpinolene	1080	0.52%	
22.537	para-Cymenene	1084	0.07%	
23.173	Linalool	1094	2.65%	IFRA
24.705	trans-para-Mentha-2,8-dienol	1116	0.02%	
24.907	Unidentified	1119	0%	
25.475	cis-Limonene oxide	1127	0.03%	
25.715	Unidentified	1131	0.02%	
25.766	trans-Limonene oxide	1131	0.02%	
25.980	Unidentified	1134	0.02%	
26.472	Unidentified	1141	0%	
28.794	Terpinen-4-ol	1175	0.14%	
29.793	alpha-Terpineol	1189	0.14%	
30.578	Decanal	1200	0.01%	
31.421	trans-Carveol	1212	0.02%	
32.130	Thymol methyl ether	1223	0%	
32.325	cis-Carveol	1226	0.01%	
33.130	Carvone	1237	0.02%	IFRA
36.227	Thymol	1282	0.09%	
37.313	Unidentified	1298	0.01%	
38.196	Unidentified	1311	0.01%	
39.108	Elemene isomer	1325	0.03%	
39.327	delta-Elemene	1328	0.04%	
41.885	Unidentified	1367	0%	

Ret. Time	Component	Ret. Idx.	Conc. %	
41.985	alpha-Copaene	1369	0.03%	
42.772	beta-Cubebene	1381	0.02%	
42.872	beta-Elemene	1382	0.04%	
44.806	beta-Caryophyllene	1412	0.18%	
45.400	gamma-Elemene	1421	0.02%	
46.878	trans-beta-Farnesene	1445	0.25%	
47.056	alpha-Humulene	1448	0.07%	
48.644	Germacrene D	1473	0.1%	
49.540	Bicyclogermacrene	1487	0.44%	
49.728	alpha-Muurolene	1490	0.02%	
50.905	delta-Cadinene	1509	0.09%	
51.260	beta-Sesquiphellandrene	1515	0.01%	
51.843	(Z)-9-Dodecen-12-olide (Yuzu Lactone)	1525	0.04%	
53.334	Germacrene B	1550	0.06%	
54.369	Spathulenol	1568	0.09%	
58.884	Unidentified	1646	0.01%	

Total Identified Compounds **99.94 %**

