

Sample Information

Sample Name: Eucalyptus globulus EO, Australia **Sample Type:** EO - Single
Botanical Name: Eucalyptus globulus **Country of Origin:** Australia
Lot Number: AUP32-PK **Analysis Date:** 9/13/2024
Production Method: Steam distilled **Manufacture Date:** September 2024

GC/MS

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

Physical Data

ANALYSIS	METHOD	RESULTS
Optical Rotation @20°C	USP[781]	+3.48
Refractive Index @20°C	USP[831]	1.46042
Specific Gravity @20°C	USP[841]	0.91333

Ret. Time	Component	Ret. Idx.	Conc. %	
5.092	Isopentyl alcohol	728	0.02%	
11.419	Hashishene	919	0.01%	
11.686	alpha-Thujene	924	0.02%	
12.089	alpha-Pinene	932	3.44%	
12.877	alpha-Fenchene	946	0.01%	
12.973	Camphene	948	0.02%	
13.174	Thuja-2,4(10)-diene	952	0%	
14.226	Unidentified	971	0.01%	
14.521	beta-Pinene	977	0.37%	
15.149	Myrcene	988	0.53%	
16.050	Pseudolimonene	1004	0.01%	
16.115	Unidentified	1005	0.02%	
16.198	alpha-Phellandrene	1006	0.85%	
16.854	alpha-Terpinene	1016	0.17%	
17.346	para-Cymene	1024	2.96%	
17.663	Limonene	1029	7.18%	IFRA
17.918	1,8-Cineole	1033	81.7%	
18.032	cis-beta-Ocimene	1034	0.08%	
18.710	trans-beta-Ocimene	1045	0.02%	
19.481	gamma-Terpinene	1057	1.76%	
20.266	trans-Linalool oxide (furanoid)	1069	0.01%	
20.387	Pinol	1071	0.01%	
21.264	Terpinolene	1084	0.07%	
21.592	para-Cymenene	1089	0.01%	
22.214	Linalool	1099	0.03%	IFRA
23.523	endo-Fenchol	1118	0%	
24.155	allo-Ocimene	1127	0.01%	
24.994	trans-Pinocarveol	1139	0.02%	
27.036	delta-Terpineol	1169	0.01%	
27.741	Terpinen-4-ol	1179	0.07%	
28.743	alpha-Terpineol	1194	0.12%	
32.325	Unidentified	1247	0.01%	
34.789	Bornyl acetate	1283	0.01%	
38.913	alpha-Terpinyl acetate	1345	0.4%	
39.031	gamma-Terpinyl acetate	1347	0.04%	

Total Identified Compounds **99.96 %**

