

Sample Information

Sample Name: Eucalyptus radiata EO

Botanical Name: Eucalyptus radiata

Lot Number: AUX33-XX

Production Method: Steam distilled

Sample Type: EO - Single

Country of Origin: Australia

Analysis Date: 7/2/2024

Date of Distillation: July 2024

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

-2.48

1.46299

0.91457

Ret. Time	Component	Ret. Idx.	Conc. %	
5.175	3-Methylbutanol	728	0.01%	
11.881	alpha-Thujene	924	0.15%	
12.287	alpha-Pinene	931	2.09%	
13.181	Camphene	948	0.01%	
14.447	Sabinene	971	1.46%	
14.746	beta-Pinene	976	0.84%	
15.380	Myrcene	988	1.42%	
16.291	Pseudolimonene	1004	0.08%	
16.436	alpha-Phellandrene	1006	0.7%	
16.584	delta-3-Carene	1008	0.01%	
17.099	alpha-Terpinene	1016	0.45%	
17.592	para-Cymene	1024	1.55%	
17.924	Limonene	1029	7.3%	IFRA
18.160	1,8-Cineole	1032	68.81%	
18.275	cis-beta-Ocimene	1034	0.04%	
18.956	trans-beta-Ocimene	1044	0.01%	
19.739	gamma-Terpinene	1056	0.85%	
21.547	Terpinolene	1084	0.03%	
22.485	Linalool	1098	0.61%	IFRA
27.324	delta-Terpineol	1169	0.04%	
27.440	Borneol	1170	0.01%	
28.045	Terpinen-4-ol	1179	2.3%	
29.089	alpha-Terpineol	1194	9.76%	
31.963	Neral	1236	0.31%	IFRA
32.788	Geraniol	1249	0.57%	IFRA
33.976	Geranial	1266	0.56%	IFRA
39.533	Eugenol	1349	0.02%	IFRA

Total Identified Compounds **99.99 %**

GC/MS Report: Chromatogram

