



Essential Oil University

GC/MS Report

Item	Lot
Cinnamon Bark EO, Pure & Natural <i>Cinnamomum zeylanicum</i>	6A
Date	Analyst
10/14/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Cinnamon Bark EO, Pure & Natural, meets the expected chemical profile for authentic essential oil of *Cinnamomum zeylanicum*. No contamination or adulteration was detected. The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.



Sample Information

Company: Revive**Sample Type:** EO - Single**Sample Name:** Cinnamon Bark EO, Pure & Natural**Country of Origin:** Sri Lanka**Botanical Name:** Cinnamomum zeylanicum**Analysis Date:** 10/14/2025**Lot Number:** 6A**Manufacture Date:** August 2025**Production Method:** Steam distilled

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

Optical Rotation @20°C

Refractive Index @20°C

Specific Gravity @20°C

METHOD

USP[781]

USP[831]

USP[841]

RESULTS

+2.32

1.58541

1.01858



Ret. Time	Component	Ret. Idx.	Conc. %	
10.684	Styrene	890	0.07%	PROP. 65
12.265	Tricyclene	921	0.01%	
12.412	alpha-Thujene	923	0.13%	
12.839	alpha-Pinene	931	3.9%	ALLERGEN
13.670	alpha-Fenchene	946	0.01%	
13.771	Camphene	947	0.27%	
14.418	Benzaldehyde	959	0.11%	ALLERGEN IFRA
15.058	Sabinene	970	0.01%	
15.375	beta-Pinene	976	0.24%	ALLERGEN
15.993	Myrcene	987	0.04%	PROP. 65
17.091	alpha-Phellandrene	1005	0.84%	
17.235	delta-3-Carene	1007	0.07%	
17.750	alpha-Terpinene	1015	0.48%	ALLERGEN
17.904	ortho-Cymene	1017	0.01%	
18.236	para-Cymene	1022	1.3%	
18.541	Limonene	1027	2.26%	ALLERGEN IFRA
18.656	beta-Phellandrene	1029	1.49%	
18.752	1,8-Cineole	1030	2.12%	
18.930	cis-beta-Ocimene	1033	0.02%	
19.267	Butyl 2-methylbutyrate	1038	0.01%	
19.629	trans-beta-Ocimene	1043	0.02%	
20.447	gamma-Terpinene	1056	0.06%	
21.282	trans-Sabinene hydrate	1068	0.01%	
22.279	Terpinolene	1083	0.07%	ALLERGEN
22.345	Unidentified	1084	0.01%	
22.603	para-Cymenene	1088	0.05%	
23.239	Linalool	1098	3.52%	ALLERGEN IFRA
23.471	2-Methylbutyl-2-methylbutyrate	1101	0.04%	
24.082	Phenethyl alcohol	1110	0.02%	
26.569	Camphor	1146	0.01%	ALLERGEN
27.567	Benzenepropanal	1160	0.09%	
28.286	Borneol	1170	0.03%	
28.416	Unidentified	1172	0.02%	
28.878	Terpinen-4-ol	1179	0.18%	
29.305	Unidentified	1185	0.02%	
29.880	alpha-Terpineol	1193	0.61%	ALLERGEN
30.429	alpha-Phellandrene epoxide	1201	0.03%	
31.479	cis-Cinnamaldehyde	1216	0.32%	ALLERGEN IFRA
32.236	Hydrocinnamic alcohol	1227	0.03%	
32.783	ortho-Anisaldehyde	1235	0.06%	IFRA



Ret. Time	Component	Ret. Idx.	Conc. %	
33.897	2-Phenethyl acetate	1252	0.01%	
35.398	trans-Cinnamaldehyde	1273	67.84%	ALLERGEN IFRA
35.605	Phellandral	1276	0.05%	
36.355	Safrole	1287	0.09%	PROP. 65
36.874	Carvacrol	1295	0.02%	
37.428	trans-Cinnamyl alcohol	1303	0.01%	ALLERGEN IFRA
40.422	Eugenol	1349	3.95%	ALLERGEN IFRA
41.537	Hydrocinnamyl acetate	1366	0.04%	
42.063	alpha-Copaene	1374	0.33%	
42.769	cis-Cinnamyl acetate	1384	0.03%	
42.941	beta-Elementene	1387	0.02%	
43.929	cis-beta-Caryophyllene	1402	0.04%	ALLERGEN
44.889	beta-Caryophyllene	1417	2.84%	ALLERGEN
45.715	trans-alpha-Bergamotene	1431	0.06%	
46.439	trans-Cinnamyl acetate	1442	4.35%	
46.965	Unidentified	1450	0.01%	
47.140	alpha-Humulene	1453	0.43%	
48.331	gamma-Murolene	1472	0.01%	
48.703	Ar-Curcumene	1478	0.02%	
49.199	Unidentified	1486	0.02%	
49.796	alpha-Murolene	1496	0.02%	
50.148	Unidentified	1501	0.01%	
50.355	beta-Bisabolene	1505	0.04%	
50.560	Unidentified	1508	0.01%	
50.679	Unidentified	1510	0.06%	
50.841	Unidentified	1513	0.01%	
50.979	delta-Cadinene	1515	0.08%	
51.179	cis-Calamenene	1519	0.02%	
51.466	ortho-Methoxycinnamaldehyde	1524	0.05%	IFRA
52.087	Unidentified	1534	0.01%	
52.331	Unidentified	1538	0.03%	
52.894	Unidentified	1548	0.02%	
53.181	Unidentified	1552	0.02%	
54.409	Caryophyllene alcohol	1573	0.05%	
54.779	Caryophyllene oxide	1579	0.15%	
54.974	Unidentified	1582	0.02%	
55.439	Unidentified	1590	0.03%	
56.396	Humulene epoxide II	1607	0.02%	
56.599	Tetradecanal	1610	0.13%	
58.986	14-Hydroxy-9-epi-(Z)-Caryophyllene	1653	0.03%	



Ret. Time	Component	Ret. Idx.	Conc. %	
59.799	14-Hydroxy-9-epi-(E)-Caryophyllene	1667	0.01%	
65.034	Benzyl benzoate	1763	0.38%	ALLERGEN IFRA
76.033	Unidentified	1980	0.02%	
82.133	Unidentified	2110	0.02%	

Total Identified Compounds **99.66 %**



TIC
13,207,291

