

Certificate of Analysis

Laboratory Report

SAMPLE NAME : Amyris
CLIENT NAME : Plant Therapy
CLIENT LOT # : AH0111R
APRC LOT# : PT250505E

Column : ZB5 (60 m length × 0.25 mm inner diameter × 0.25 µm film thickness)
Instrument : Shimadzu Nexis GC-2030
Carrier gas : Helium 80 psi
Temperature ramp : 2 degrees Celsius per minute up to 260-degree Celsius
Split ratio : 30:1
Sample preparation : 5% w/v solution with Dichloromethane

Interpretation on this sample:

The analysis of Amyris sample meets the standard chemical profile of Amyris balsamifera essential oil.

Analyzed by : Dr Prabodh Satyal
Reviewed by : Ambika Poudel

Issued Date : 05-06-2025

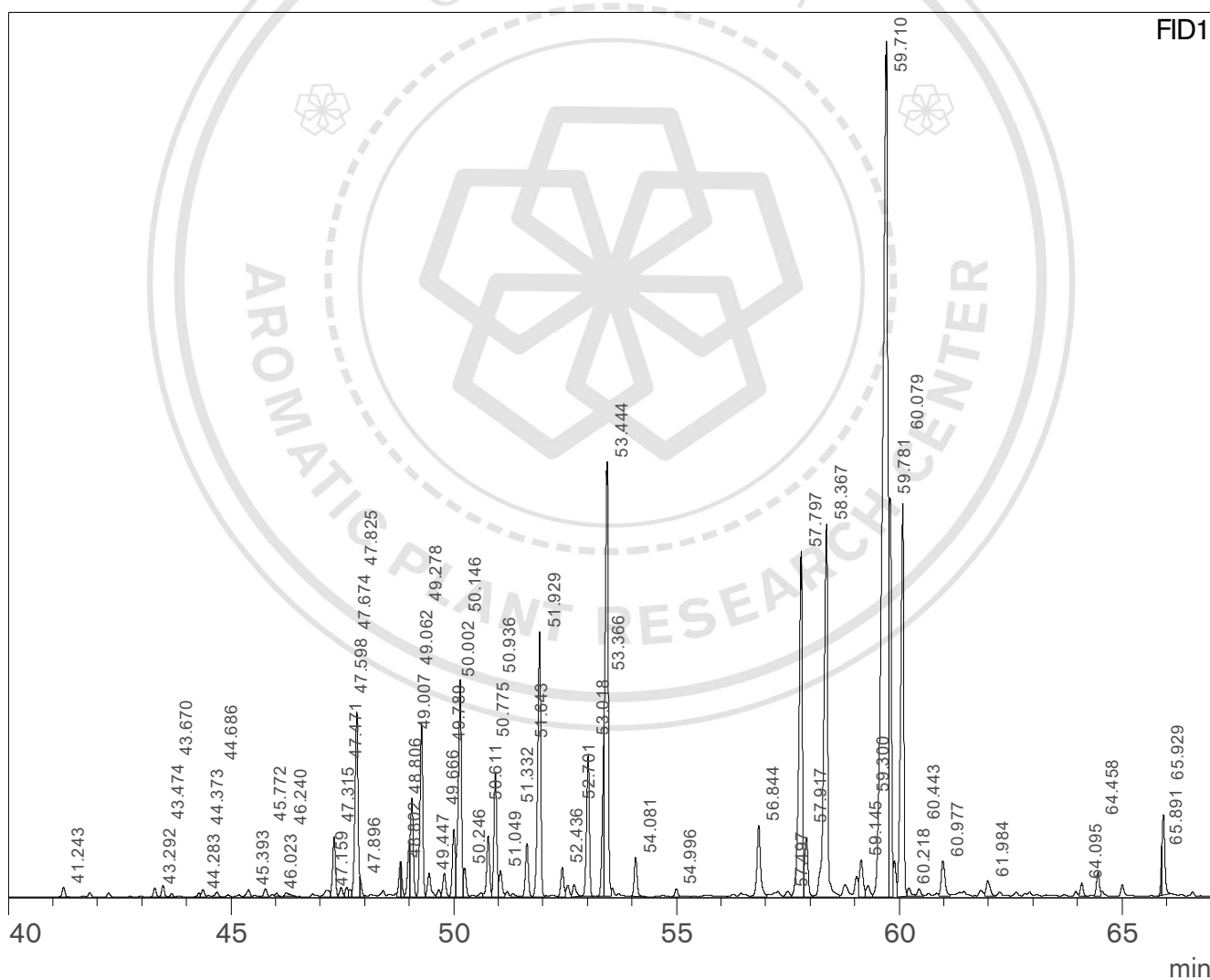
GC-FID Analysis

Sample Information

Analyzed by : Dr Prabodh Satyal
Analyzed : 05-06-2025
Sample Type : Essential Oil
Sample Name : Amyris
Client Name : Plant Therapy
Client Lot# : AH0111R
APRC Lot# : PT250505E
Injection Volume : 0.30

Chromatogram

uV



Peak Table

R-Time	Compounds	Area%
41.243	Damascone isomer	0.153
43.292	Unidentified	0.145
43.474	cis-beta-Elemene	0.182
43.670	trans-beta-Elemene	0.056
44.283	Sesquithujene	0.061
44.373	Unidentified	0.126
44.686	Unidentified	0.110
45.393	beta-Caryophyllene	0.145
45.772	Unidentified	0.156
46.023	gamma-Elemene	0.051
46.240	trans-alpha-Bergamotene	0.109
47.159	epi-beta-Santalene	0.207
47.315	Amorpha-4,11-diene	0.960
47.471	trans-beta-Farnesene	0.156
47.598	Unidentified	0.160
47.674	alpha-Humulene	0.106
47.825	Amorpha-4,11-diene isomer	3.187
47.896	Gurjunene isomer+beta-Santalene	0.186
48.802	Selina-4,7-diene	0.332
48.806	10-epi-beta-Acoradiene	0.287
49.007	Amorpha-4,7(11)-diene	0.618
49.062	gamma-Curcumene	1.596
49.278	ar-Curcumene	2.747
49.447	Selinadiene	0.455
49.666	delta-Selinene	0.120
49.789	beta-Selinene	0.398
50.002	Viridiflorene	1.139
50.146	alpha-Zingiberene	3.818
50.246	Epizonarene	0.420
50.611	beta-Agarofuran	0.084
50.775	beta-Dihydroagarofuran	1.025
50.936	beta-Bisabolene	2.034
51.049	cis-Dihydroagarofuran	0.437
51.332	10-epi-Italicene ether	0.063
51.643	7-epi-alpha-Selinene	0.868
51.929	beta-Sesquiphellandrene	4.533
52.436	Zonarene	0.474
52.701	3,9-Guaiadiene	0.243
53.018	Selina-3,7(11)-diene	2.310
53.366	alpha-Agarofuran	1.391
53.444	alpha-Elemol	7.790
54.081	trans-Nerolidol	0.638
54.996	Elemol isomer	0.146
56.844	5-epi-7-epi-alpha-Eudesmol	1.461
57.497	Intermedeol isomer	0.124
57.797	10-epi-gamma-Eudesmol	6.659
57.917	Unidentified	1.074
58.367	gamma-Eudesmol	8.066
59.145	Unidentified	0.758
59.300	beta-Eudesmol	0.241
59.710	Valerianol	25.611
59.781	alpha-Eudesmol	5.358
60.079	7-epi-alpha-Eudesmol	6.857
60.218	Intermedeol	0.184
60.443	trans-Guaia-3,9-dien-11-ol	0.170
60.977	Unidentified	0.786
61.984	Eudesm-7(11)-en-4-ol	0.383
64.095	6R,7R-Bisabolone	0.223
64.458	6S,7R-Bisabolone	0.420
65.891	Drimenol	0.234
65.929	Drimenol isomer	1.165
Total		100.000