

Certificate of Analysis

Laboratory Report

SAMPLE NAME : Rose Absolute
CLIENT NAME : Plant Therapy
CLIENT LOT # : R30119R
APRC LOT# : PT260303A

Column : ZB5 (60 m length × 0.25 mm inner diameter × 0.25 µm film thickness)
Instrument : Shimadzu GCMS-QP2010 Ultra
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 Rose absolute sample meets the standard chemical profile of *Rosa damascena* absolute.

Analyzed by : Dr Prabodh Satyal
Reviewed by : Ambika Poudel

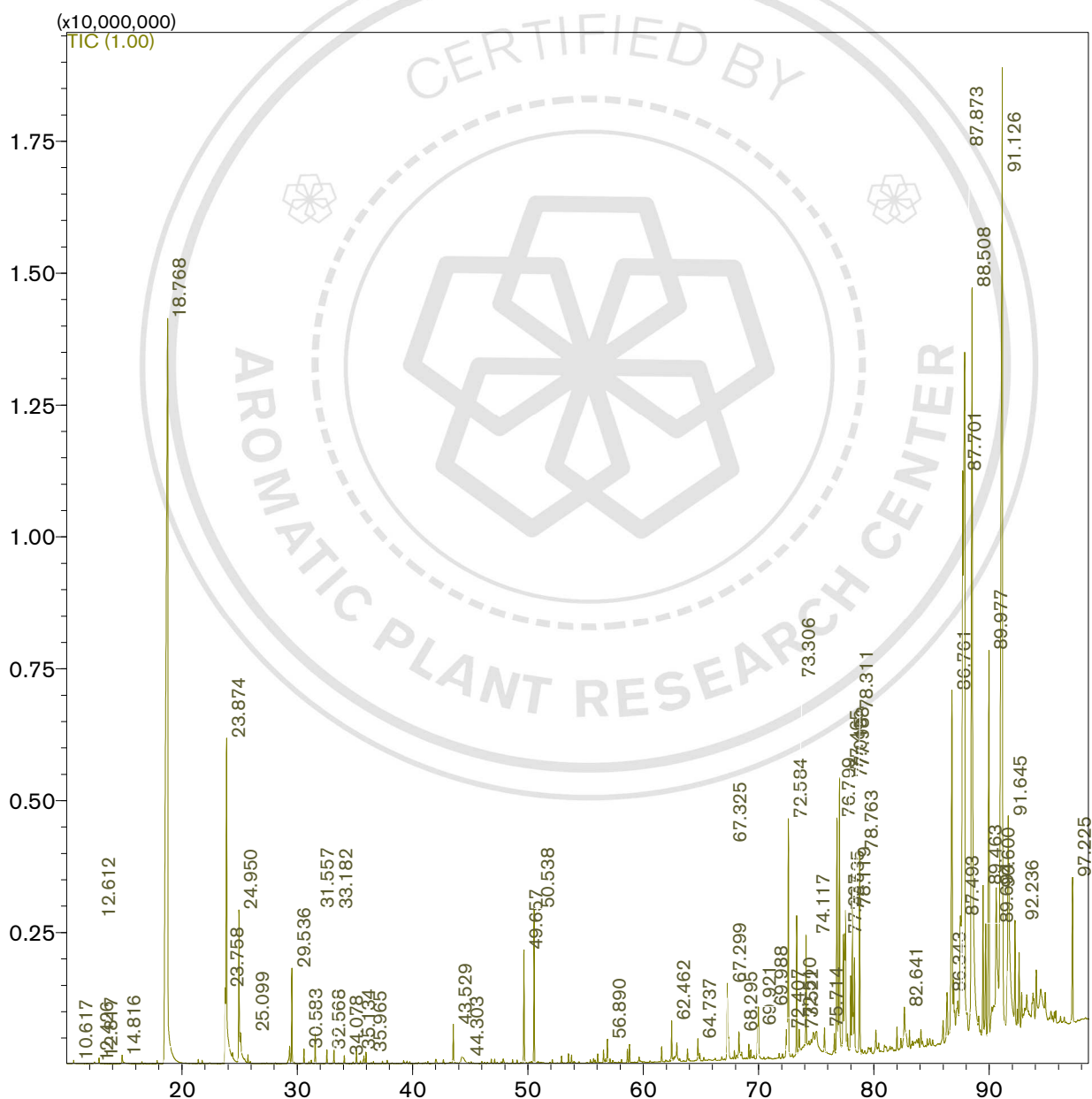
Issued Date : 03-04-2026

GCMS Analysis

Sample Information

Analyzed by : Dr Prabodh Satyal
Analyzed : 03-04-2026
Sample Type : Essential Oil
Sample Name : Rose Absolute
Client Name : Plant Therapy
Client Lot# : R30119R
APRC Lot# : PT260303A
Injection Volume : 0.30

Chromatogram



Peak Table

S.N.	R-Time	Compounds	Area%
1	10.617	alpha-Pinene	0.010
2	12.426	beta-Pinene	0.010
3	12.612	6-Methyl-5-hepten-2-one	0.000
4	12.817	Myrcene	0.030
5	14.816	Benzyl alcohol	0.080
6	18.768	Phenyl ethyl alcohol	15.120
7	23.758	Nerol	0.380
8	23.874	Citronellol	2.830
9	24.950	Geraniol	1.010
10	25.099	2-Phenyl ethyl acetate	0.150
11	29.536	Eugenol	0.540
12	30.583	Geranyl acetate	0.080
13	31.557	Methyl eugenol	0.150
14	32.568	beta-Caryophyllene	0.080
15	33.182	alpha-Guaiene	0.080
16	34.078	alpha-Humulene	0.050
17	35.134	Germacrene D	0.080
18	35.965	alpha-Bulnesene	0.070
19	43.529	Heptadecane	0.210
20	44.303	2-trans-6-trans-Farnesol	0.190
21	49.657	Nonadec-9-ene	0.700
22	50.538	Nonadecane	0.930
23	56.890	Heneicosane	0.120
24	62.462	cis-9-Tricosene	0.230
25	64.737	Tetradecyl octanoate	0.110
26	67.299	Phenethyl tetradecanoate	0.400
27	67.325	Tetradecyl nonanoate	0.210
28	68.295	Citronellyl myristic acid	0.160
29	69.921	Nonanoic acid pentadecyl ester	0.180
30	69.988	Hexadecyl octanoate	0.280
31	72.407	Nonanoic acid hexadecyl ester	0.120
32	72.510	Heptacos-1-ene	0.090
33	72.584	Phenethyl palmitic acid	1.540
34	73.306	Citronellyl palmitoleic acid	0.880
35	73.523	Neryl stearic acid	0.120
36	74.117	Neryl palmitic acid	0.710
37	75.714	trans-Squalene	0.140
38	76.800	2-Phenylethyl linoleate	1.790
39	77.015	Unidentified	2.000
40	77.337	Citronellyl linoleic acid	0.820
41	77.465	Unidentified	0.870
42	77.535	Citronellyl Linolenic acid	0.840
43	77.988	Citronellyl stearic acid	0.520
44	78.119	Unidentified	1.010
45	78.311	Geranyl Linolenic acid	0.620
46	78.763	Geranyl stearic acid	1.470
47	82.641	Vitamin E	0.260
48	86.343	Unidentified	0.470
49	86.761	Unidentified	3.700
50	87.493	alpha-Amyrone	1.200
51	87.701	Unidentified	5.520
52	87.873	Lupenone	10.000
53	88.508	Lupeol	10.770
54	89.463	Unidentified	1.070
55	89.694	Unidentified	0.960
56	89.977	Unidentified	3.680
57	90.600	Unidentified	1.850
58	91.126	alpha-Amylose acetate	16.360
59	91.645	beta-Amylose acetate	4.110
60	92.236	Ursolic aldehyde	0.870
61	97.225	Unidentified	1.170
Total			100%

GC-Chiral Analysis

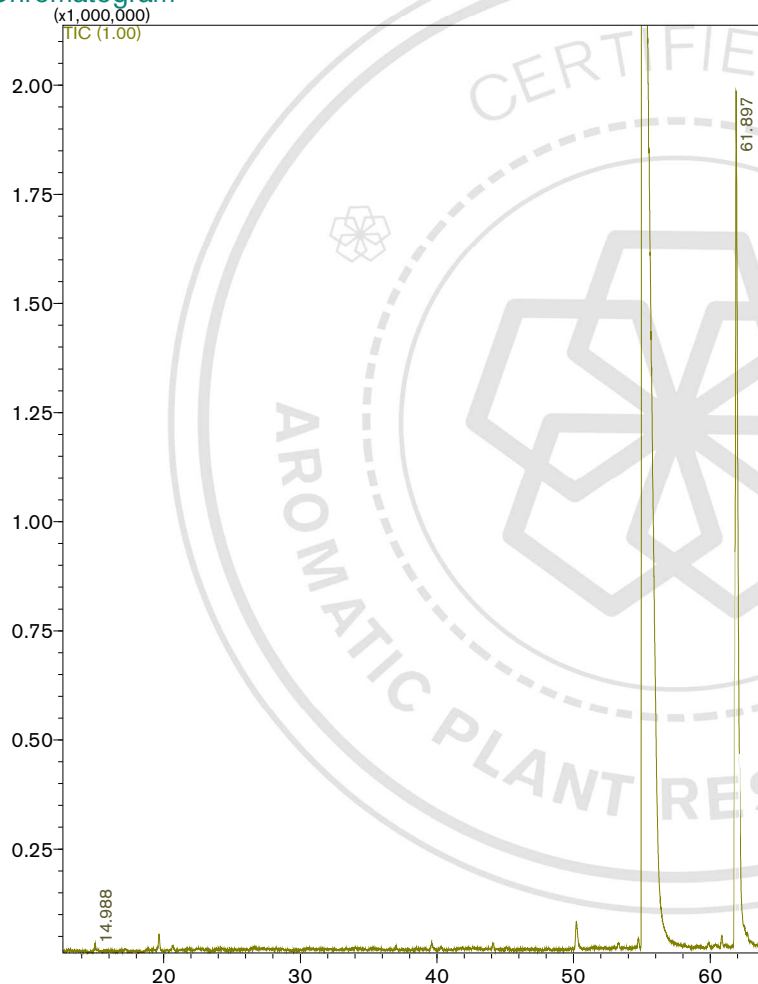
Sample Information

Analyzed by : Dr. Prabodh Satyal
Analyzed : 4-Mar-2026
Sample Type : Essential Oil
Sample Name : Rose Absolute
Client Name : Plant Therapy
Client Lot# : R30119R
APRC Lot# : PT260303A
Injection Volume : 0.30

Peak Table

Name	Time	Area%
alpha-Pinene	14.988	0.47
Citronellol	61.897	99.53

Chromatogram



Enantiomeric Components Distribution

Compounds	Content ratio	Standard ratio
alpha-Pinene	(+): (-)100	N/A
Citronellol	(+): (-)100	N/A