Aromatic Plant Research Center
230 N 1200 E STE 100
Lehi, UT 84043
www.aromaticplant.org

APRC®
Aromatic Plant Research Center

Laboratory Test Report

SAMPLE NAME : Rosalina
CLIENT NAME : Plant Therapy
CLIENT LOT # : R20111R
APRC LOT# : PT250701A

Column : ZB5 (60 m length × 0.25 mm inner diameter × 0.25 μm film thicknes
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 Organic Rosalina sample meets the standard chemical profile of Melaleuca ericifolia essential oil.

Analyzed by : Dr Prabodh Satyal
Reviewed by : Ambika Poudel

Issued Date : 7/1/2025

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GCMS Analysis

Sample Information

Analyzed by	: Dr. Prabodh Satyal
Analyzed	: 7/1/2025 3:26:59 AM
Sample Type	: Essential Oil
Sample Name	: Rosalina
Client Name	: Plant Therapy
Client Lot#	: R20111R
APRC Lot#	: PT250701A
Injection Volume	: 0.30

Chromatogram

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Peak Report

Peak#	R.Time	Name	Area%
1	12.661	alpha-Thujene	0.17
2	13.165	alpha-Pinene	12.45
3	15.649	beta-Pinene	1.53
4	16.250	Myrcene	0.21
5	16.329	trans-Dehydroxy linalool oxide	0.04
6	17.209	para-Mentha-1(7),8-diene	0.06
7	17.240	cis-Dehydroxy linalool oxide	0.04
8	17.355	alpha-Phellandrene	0.04
9	18.035	alpha-Terpinene	0.20
10	18.551	para-Cymene	2.07
11	18.928	Limonene	3.95
12	19.225	1,8-Cineole	33.31
13	19.911	trans-beta-Ocimene	0.17
14	20.737	gamma-Terpinene	1.58
15	21.551	cis-Linalool oxide (furanoid)	0.71
16	22.549	Terpinolene	0.53
17	22.629	trans-Linalool oxide (furanoid)	0.50
18	23.778	Linalool	26.95
19	23.874	Hotrienol	0.20
20	23.925	n-Nonanal	0.02
21	28.380	cis-Linalool oxide (pyranoid)	0.03
22	28.410	delta-Terpineol	0.08
23	29.005	para-1,8-Menthadien-4-ol	0.11
24	29.168	Terpinen-4-ol	1.17
25	30.234	alpha-Terpineol	4.15
26	32.116	Nerol	0.06
27	32.264	Citronellol	0.18
28	33.051	Neral	0.05
29	33.880	Geraniol	0.19
30	35.068	Geranial	0.07
31	38.678	Methyl geranate	0.07
32	42.016	Isoledene	0.08
33	43.398	Phenyl ethyl isobutyrate	0.73
34	44.381	alpha-Gurjunene	0.18
35	45.169	beta-Caryophyllene	0.47
36	45.636	gamma-Maaliene	0.06
37	45.855	beta-Gurjunene	0.20
38	46.084	alpha-Maaliene	0.07
39	46.369	Aromadendrene	1.71
40	46.430	Bourbon-11-ene	0.13
41	46.807	Selina-5,11-diene	0.12
42	47.413	alpha-Humulene	0.05
43	47.696	allo-Aromadendrene	0.74
44	48.467	gamma-Gurjunene	0.11
45	49.487	beta-Selinene	0.39
46	49.610	Viridiflorene	0.38
47	49.900	Bicyclogermacrene	0.47
48	49.945	alpha-Selinene	0.06
49	50.940	gamma-Cadinene	0.04
50	51.233	delta-Cadinene	0.17
51	53.872	Epiglobulol	0.08
52	54.359	Palustrol	0.15
53	54.722	Spathulenol	0.39
54	55.053	Caryophyllene oxide	0.34
55	55.269	Globulol	0.43
56	55.783	Viridiflorol	0.84
57	55.898	Cubeban-11-ol	0.09
58	56.371	Ledol	0.38
59	57.480	Eudesmol isomer	0.12
60	59.214	alpha-Eudesmol	0.14
			100.00