

# P Micromeria varia

## Common Name(s)

Madeiran 'Hyssop'

## How Used

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Chemical Plant Part		Low	High	StdDev	Reference	Citation
		PPM	PPM			
0	ALPHA-CAMPHOLENAL	Shoot --	15	0.9834089870607293		
0	ALPHA-CAMPHOLENAL	Shoot	15	15	0.9834089870607293	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0	ALPHA-COPAENE	Shoot	45	45	0.16847933811712973	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0	ALPHA-COPAENE	Shoot --	45	45	0.16847933811712973	
0	ALPHA-CUBEBENE	Shoot	9	9	-0.34723561332494784	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0	ALPHA-CUBEBENE	Shoot --	9	9	-0.34723561332494784	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
2	ALPHA-HUMULENE	Shoot 18	18	-0.24934269602752668	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
2	ALPHA-HUMULENE	Shoot --	18	-0.24934269602752668		
11	ALPHA-PHELLANDRENE	Shoot --	--	-0.30934809317985607	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
11	ALPHA-PHELLANDRENE	Shoot --	--			
28	ALPHA-PINENE	Shoot 585	585	-0.08910532023894602	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
28	ALPHA-PINENE	Shoot --	585	-0.08910532023894602		
13	ALPHA-TERPINENE	Shoot 3	3	-0.47281058482161253	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
13	ALPHA-TERPINENE	Shoot --	3	-0.47281058482161253		
23	ALPHA-TERPINEOL	Shoot --	30	-0.25490547911879124		
23	ALPHA-TERPINEOL	Shoot 30	30	-0.25490547911879124	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0	ALPHA-THUJENE	Shoot --	15	-0.2864465102156434		

Chemical Plant Part	Low StdDev Reference Citation			
	PPM	High PPM	Reference	Citation
0 ALPHA-THUJENE	Shoot 15	15	-0.2864465102156434	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0 BETA-BOURBONENE	Shoot --	--	-0.43796638910394087	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0 BETA-BOURBONENE	Shoot --	--		
0 BETA-CARYOPHYLLENE	Shoot 155	155	-0.09573312292766925	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0 BETA-CARYOPHYLLENE	Shoot --	155	-0.09573312292766925	
0 BETA-CARYOPHYLLENE-EPOXIDE	Shoot 355	355	-0.13843871524401882	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0 BETA-CARYOPHYLLENE-EPOXIDE	Shoot --	75	-1.1496432439829412	
5 BETA-ELEMENE	Shoot --	--	-0.3400141894894808	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
5 BETA-ELEMENE	Shoot --	--		
2 BETA-MYRCENE	Shoot --	60	-0.23802625570973215	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
2	BETA-MYRCENE	Shoot 60	60	-0.23802625570973215	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
3	BETA-PHELLANDRENE	Shoot 15	15	-0.5638234039665844	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
3	BETA-PHELLANDRENE	Shoot --	15	-0.5638234039665844		
13	BETA-PINENE	Shoot --	170	-0.10919222427121285		
13	BETA-PINENE	Shoot 170	170	-0.10919222427121285	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
35	BORNEOL	Shoot 24	24	-0.37558424541713203	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
35	BORNEOL	Shoot --	24	-0.37558424541713203		
0	CADINA-1,4-DIENE	Shoot --	--	-0.9258200997725514	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0	CADINA-1,4-DIENE	Shoot --	--			
9	CAMPHENENE	Shoot --	6	-0.133722740597587		

Chemical Plant Part	Low	High	StdDev	Reference	Citation
	PPM	PPM			
9 CAMPHENE	Shoot 6	6	-0.133722740597587	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0 CIS-BETA-OCIMENE	Shoot --	--	-0.5560646987797035	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0 CIS-BETA-OCIMENE	Shoot --	--	-0.5560646987797035		
0 CIS-LINALOL-OXIDE	Shoot --	--	-0.400940192878851		
0 CIS-LINALOL-OXIDE	Shoot --	--	-0.400940192878851	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0 CIS-SABINENE-HYDRATE	Shoot 15	15	-0.2069980653782561	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0 CIS-SABINENE-HYDRATE	Shoot --	15	-0.2069980653782561		
0 CIS-VERBENOL	Shoot --	--	-0.4568839104613092	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0 CIS-VERBENOL	Shoot --	--			
9 DELTA-CADINENE	Shoot 21	21	-0.2483906841648142	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.

Chemical Plant Part		Low	High	StdDev	Reference	Citation
		PPM	PPM			
9	DELTA-CADINENE	Shoot --	21	-0.2483906841648142		
0	EO	Shoot	3000	3000	-0.675357019223463	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0	EO	Shoot --	3000	-0.675357019223463		
0	GAMMA-CADINENE	Shoot	24	24	-0.1797859924103986	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0	GAMMA-CADINENE	Shoot --	15	-0.19982430782846677		
11	GAMMA-TERPINENE	Shoot	15	15	-0.38397056484220854	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
11	GAMMA-TERPINENE	Shoot --	15	-0.38397056484220854		
13	GERANIAL	Shoot	475	475	0.6210581561316935	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
13	GERANIAL	Shoot --	475	0.6210581561316935		
5	GERANYL-ACETATE	Shoot --	24	-0.47406028623396546		
5	GERANYL-ACETATE	Shoot --	--	-0.525581111429658	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.	

Chemical Plant Part	Low	High	StdDev	Reference	Citation
	PPM	PPM			
2 GERMACRENE-D	Shoot	36	36	-0.350309409543111	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
2 GERMACRENE-D	Shoot	--	36	-0.350309409543111	
60 LIMONENE	Shoot	80	80	-0.28771498042117827	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
60 LIMONENE	Shoot	--	80	-0.28771498042117827	
0 LINALOL	Shoot	--	27	-0.21737479462519857	
0 LINALOL	Shoot	27	27	-0.21737479462519857	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
5 MYRTENAL	Shoot	--	--	-0.33059726732282063	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
5 MYRTENAL	Shoot	--	--	-0.33059726732282063	
2 MYRTENOL	Shoot	--	--	-0.2515467769782438	
2 MYRTENOL	Shoot	--	--	-0.2515467769782438	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.

Chemical Plant Part		Low	High	StdDev	Reference	Citation
		PPM	PPM			
4	NERAL	Shoot	190	190	0.031318472939093	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
4	NERAL	Shoot	--	190	0.031318472939093	
16	P-CYMENE	Shoot	3	3	-0.4990244697176778	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
16	P-CYMENE	Shoot	--	3	-0.4990244697176778	
1	PINOCARVONE	Shoot	--	12	-0.6199589528411126	
1	PINOCARVONE	Shoot	12	12	-0.6199589528411126	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
5	SABINENE	Shoot	205	205	-0.077648491044948	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
5	SABINENE	Shoot	--	205	-0.077648491044948	
23	TERPINEN-4-OL	Shoot	21	21	-0.1584755804541947	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
23	TERPINEN-4-OL	Shoot	--	21	-0.1584755804541947	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
9	TERPINOLENE	Shoot 3	3	-0.7191953751694788	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
9	TERPINOLENE	Shoot --	3	-0.7191953751694788		
1	TRANS-CARVEOL	Shoot --	--	-0.4185213534857977		
1	TRANS-CARVEOL	Shoot --	--	-0.4185213534857977	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0	TRANS-HEX-2-ENAL	Shoot 6	6		Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0	TRANS-HEX-2-ENAL	Shoot --	6			
0	TRANS-LINALOL-OXIDE	Shoot --	--	-0.3806780226624112	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0	TRANS-LINALOL-OXIDE	Shoot --	--	-0.3806780226624112		
0	TRANS-NEROLIDOL	Shoot 440	440	0.7071067811865475	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0	TRANS-NEROLIDOL	Shoot --	440	0.7071067811865475		

Chemical Plant Part	Low	High	StdDev	Reference	Citation
	PPM	PPM			
2 TRANS-PINOCARVEOL	Shoot 6	6	-0.20928220390744004	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
2 TRANS-PINOCARVEOL	Shoot --	6	-0.20928220390744004		
0 TRANS-SABINENE-HYDRATE	Shoot 60	60	-0.16573318971839784	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
0 TRANS-SABINENE-HYDRATE	Shoot --	60	-0.16573318971839784		
0 TRANS-VERBENOL	Shoot --	--			
0 TRANS-VERBENOL	Shoot --	--	-0.7667775966576987	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
5 VERBENONE	Shoot --	--	-0.25729665676775704	Pedro, L.G., et al.	1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. &amp; Fragr. J.</i> 10(3): 199-202.
5 VERBENONE	Shoot --	--	-0.25729665676775704		