

P **Thymus mastichina**

Common Name(s)

Spanish Marjoram

How Used

M

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
67	1,8-CINEOLE	Plant 300	7500	1.5435203779113653	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
0	3-TERPINEN-1-OL	Plant 20	20		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
0	3-TERPINEN-1-YL-ACETATE	Plant 20	20		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
16	ACETIC-ACID	Plant --	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
0	ALLO-AROMADENDRENE	Plant 90	90	0.8231043362824437	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
0	ALPHA-GURJUNENE	Plant 1	1	-1	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
28	ALPHA-PINENE	Plant 260	260	-0.297476594262215	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
13	ALPHA-TERPINENE	Plant 1	1	-0.5000809685772936	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
23	ALPHA-TERPINEOL	Plant 210	800	0.13869607083732804	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-TERPINYL-ACETATE	Plant 310	310	0.27831231656163585	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-THUJENE	Plant 40	40	-0.5403992550501685	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	AROMADENDRENE	Plant 20	20	-0.5798358599965786	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	BETA-BOURBONENE	Plant 10	10	-0.4488191380167233	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	BETA-GURJUNENE	Plant 30	30	-0.8541244265211883	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
13	BETA-PINENE	Plant 200	270	-0.14395836173644924	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
35	BORNEOL	Plant 1	350	-0.3546486918042286	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
12	BORNYL-ACETATE	Plant 20	20	-0.45621217433853123	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
9	CAMPHENE	Plant 20	140	-0.36634311198297265	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
41	CAMPHOR	Plant 1	450	-0.42527914589418986	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
31	CARYOPHYLLENE	Plant 130	130	-0.40415175595706687	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
8	CARYOPHYLLENE-OXIDE	Plant 1	1	-0.41281971968234893	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CIS-BETA-TERPINEOL	Plant 1	1	-1	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CIS-BETA-TERPINYL-ACETATE	Plant 1	1		Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CIS-NEROLIDOL	Plant 10	10	-1	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
1	COPAENE	Plant 1	1	-0.9293550430203471	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
9	DELTA-CADINENE	Plant 5	5	-0.5302645800660227	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	DELTA-TERPINEOL	Plant 1	1	-0.9141804970763463	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	ELEMOL	Plant 1	1	-0.6362027563125957	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	GAMMA-CADINENE	Plant 5	5	-0.6021826513093521	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
11	GAMMA-TERPINENE	Plant 1	60	-0.5095596533296728	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
35	GERANIOL	Plant 20	20	-0.4462239615982892	Lawrence, B.M.,	Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
5	GERANYL-ACETATE	Plant 10	10	-0.5554730038631799	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
5	ISOVALERIC-ACID	Plant --	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.	
60	LIMONENE	Plant 240	280	-0.3137195411356855	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
0	LINALOL	Plant 850	7890	1.3514923915055952	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
7	LINALYL-ACETATE	Plant 100	150	-0.5059356535785476	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
0	LONGIFOLENE	Plant 1	1	-1.2447469765175	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
22	MYRCENE	Plant 20	90	-0.37722360475393335	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
16	P-CYMENE	Plant 130	340	-0.33174874972152113	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
5	SABINENE	Plant 80	110	-0.3742565314266971	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
23	TERPINEN-4-OL	Plant 10	70	-0.2509934253138247	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
9	TERPINOLENE	Plant 1	1	-0.7291018522032187	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	
71	THYMOL	Plant 190	190	-0.5519323646581084	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	TRANS-DIHYDRO-ALPHA-TERPINYL-ACETATE	Plant 1	1			Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
2	TRANS-PINOCARVEOL	Plant 75	75	1		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TRANS-PINOCARVYL-ACETATE	Plant --	--			Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	TRANS-SABINENE-HYDRATE	Plant 80	110	-0.17304003764227432		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.