P Thymus vulgaris

Common Name(s)

Common Thyme, Garden Thyme, Thyme

How Used

F

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
0	1,8-CINEOL	Essential Oil	--	32900	-0.7499692191261143	
0	2,6,6-TRIMETHYL-BICYCLO(3,1,1)-HEPTA-2-ENE	Essential Oil	--	--		
0	3,3',4,4'-TETRAHYDROXY-5,5'-DI-ISO-PROPYL-2,2'-DIMETHYL-BIPHENYL	Leaf	35	35		
0	3,3',4,4'-TETRAONE-5,5'-DI-ISO-PROPYL-2,2'-DIMETHYL-BIPHENYL	Leaf	--	3		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	3,4,4'-TRIHYDROXY-5,5'-DI-ISO-PROPYL-2,2'-DIMETHYL-BIPHENYL	Leaf	1	1		
0	4'-HYDROXY-5,5'-DI-ISO-PROPYL-2,2'-DIMETHYL-BIPHENYL-3,4-DIONE	Leaf	9	9		

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
3	4'5-DIHYDROXY-3',6,7-TRIMETHOXYFLAVONE	Leaf	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	4'5-DIHYDROXY-6,7,8-TRIMETHOXYFLAVONE	Leaf	5.5	5.5		
0	4'5-DIHYDROXY-7-METHOXYFLAVONE	Leaf	--	43		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	4,4'-DIHYDROXY-5,5'-DI-ISO-PROPYL-2,2'-DIMETHYL-BIPHENYL-3,6-DIONE	Leaf	--	--		
0	4-BETA-D-GLUCOSIDE-HYDROXYBENZOIC-ACID	Leaf	--	--		
0	4-HYDROXYBENZOYL-GLUCOSE	Leaf	--	--		
0	4-O-BETA-D-GLUCOSIDE-PROTOCATECHUIC-ACID	Leaf	--	--		
8	4-TERPINEOL	Plant	73	8320	1	
2	5,4'-DIHYDROXY-6,7,8,3'-TETRAMETHOXYFLAVONE	Plant	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	5,5'-DI-ISO-PROPYL-2,2'-DIMETHYL-BIPHENYL-3,3',4,4'-TETRAONE	Leaf	--	3		
0	5-HYDROXY-4',7-DIMETHOXYFLAVONE	Leaf	1	1		

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
0	6-HYDROXY-LUTEIN	Plant	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
2	6-HYDROXY-LUTEOLIN	Leaf	--	--		
0	8-DEMETHYL-THYMONIN	Plant	--	--		
2	8-METHOXY-CIRSILINEOL	Leaf	7.4	7.4		
3	ALANINE	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
0	ALPHA-HYDROXY-LINOLENIC-ACID	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	ALPHA-LINOLENIC-ACID	Plant	6900	7452	0.18376314105806602	USDA's Ag Handbook 8 and sequelae)
11	ALPHA-PHELLANDRENE	Plant	50	425	1.7924573974319133	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
11	ALPHA-PHELLANDRENE	Essential Oil	--	12500	-0.35109578631088695	
28	ALPHA-PINENE	Essential Oil	--	8000	-0.489673998831605	
28	ALPHA-PINENE	Plant	15	1598	0.6494097697745248	
13	ALPHA-TERPINENE	Plant	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
13	ALPHA-TERPINENE	Essential Oil	--	--		
23	ALPHA-TERPINEOL	Essential Oil	--	--		
23	ALPHA-TERPINEOL	Plant	36	6500	4.5501166473010075	
0	ALPHA-THUJENE	Essential Oil	--	9200	-0.3412119955593358	
5	ALUMINUM	Leaf	155	920	0.20677516470176702	
1	AMYL-ALCOHOL	Essential Oil	13900	13900		
36	ANETHOLE	Essential Oil	--	--		
101	APIGENIN	Plant	--	--		
112	ASCORBIC-ACID	Leaf	--	--	-0.4439200969762572	
0	ASH	Plant	113681	130809	0.17698194315659818	USDA's Ag Handbook 8 and sequelae)
0	ASH	Leaf	21504	128000	0.16118195052151324	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
0	BETA-CADINENE	Essential Oil	--	--		
53	BETA-CAROTENE	Plant	24	25	-0.5917819689568318	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	BETA-CAROTENE	Leaf	4	25	-1.0290654853904624	
0	BETA-CARYOPHYLLENE	Essential Oil	--	17800	-0.5639001479089814	
0	BETA-CARYOPHYLLENE	Plant	15	605	-0.05576734192343301	
3	BETA-PHELLANDRENE	Essential Oil	--	--		
3	BETA-PHELLANDRENE	Plant	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
13	BETA-PINENE	Essential Oil	--	3400	-0.6548910076758792	
13	BETA-PINENE	Plant	15	420	0.018001776257486977	
47	BETA-SITOSTEROL	Leaf	1520	1600	-0.21356853970640116	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
3	BETA-TERPINEOL	Essential Oil	--	19800	-1	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
3	BETA-TERPINEOL	Plant	79	673		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
35	BORNEOL	Leaf	15	1462	1.3342119455552743	
35	BORNEOL	Essential Oil	--	--		
0	BORNEOL-ACETATE	Essential Oil	--	--		
12	BORNYL-ACETATE	Leaf	16	795	0.024849263231709388	
4	BORON	Plant	34	48	-0.3285060001497114	Betting on Boron, Unpublished draft by J. A. Duke on file at USDA, draft and papers relating to boron percentages. Includes Internat. Z. Vit. Ern. Forschung 43:1973 (boron).
102	CAFFEIC-ACID	Leaf	16900	16900	1.6286156543306036	
28	CALCIUM	Plant	16935	22534	0.9567743716867843	USDA's Ag Handbook 8 and sequelae)
28	CALCIUM	Leaf	2806	16700	-0.11869746309625637	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
2	CAMPESTEROL	Plant	--	30	-0.5969128791852656	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
9	CAMPHENE	Plant	15	375	0.03564329014217928	
9	CAMPHENE	Essential Oil	--	4100	-0.5707424955262961	
41	CAMPHOR	Plant	5	45	-0.6310839661679942	J. Ethnopharmacology, 39: 167.
3	CAPRIC-ACID	Plant	1200	1296	1.339345677770498	USDA's Ag Handbook 8 and sequelae)
5	CAPRYLIC-ACID	Plant	2400	2592	-1	USDA's Ag Handbook 8 and sequelae)
0	CAR-3-ENE	Plant	127	1080		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	CAR-3-ENE	Essential Oil	--	31800	1.4059505964468082	
0	CAR-4-ENE	Essential Oil	--	--		

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
0	CAR-4-ENE	Plant	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	CARBOHYDRATES	Plant	639400	690552	0.11689634111281348	USDA's Ag Handbook 8 and sequelae)
0	CARBOHYDRATES	Leaf	116424	693000	0.6453573657002941	
37	CARVACROL	Shoot	--	--		
37	CARVACROL	Plant	8	18720	1.7231339758690776	
37	CARVACROL	Essential Oil	16700	80200	-0.7047683392180678	
19	CARVONE	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
31	CARYOPHYLLENE	Essential Oil	--	13600	-0.5131215564619739	
77	CHLOROGENIC-ACID	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
77	CHLOROGENIC-ACID	Shoot	--	--		

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
24	CHROMIUM	Leaf	0.3	2	-0.47584894253972093	
7	CHRYSOERIOL	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
0	CINEOLE	Plant	10	4590	0.640375407109873	
18	CINNAMIC-ACID	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
10	CIRSILINEOL	Leaf	--	--		
9	CIRSIMARITIN	Leaf	20	20		
0	CIRSIMARITRIN	Leaf	--	20		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
53	CITRAL	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
2	COBALT	Leaf	2	11.3	-0.23172123703899697	
12	COPPER	Plant	8	9	-0.5555522679388898	USDA's Ag Handbook 8 and sequelae)

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
4	COSMOSIIN	Leaf	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
4	COSMOSIIN	Plant	--	--		
57	COUMARIN	Essential Oil	--	3000		
0	CUMINYL-ALCOHOL	Essential Oil	--	--		
3	CYNAROSIDE	Plant	--	--		
2	CYSTINE	Plant	1370	1980	-0.14920906466229109	
8	DELTA-3-CARENE	Plant	510	510	1.4050753285540967	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
9	DELTA-CADINENE	Essential Oil	--	--		
13	DIOSMETIN	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
0	EO	Leaf	1344	26000	1.272335920147473	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
0	EO	Plant	4000	34000	1.843811121608257	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
10	ERIODICTYOL	Plant	--	--		
0	EUDESMOL	Essential Oil	--	--		
76	EUGENOL	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
0	FAT	Leaf	13440	80000	0.4690345316255361	
0	FAT	Plant	69480	80000	0.4123680566892496	
0	FAT	Seed	370000	389000	0.6511107729929847	
61	FERULIC-ACID	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
15	FIBER	Plant	179294	693000	3.476313110187907	
0	FIBER(CRUDE)	Leaf	--	202000	1.9467346249431954	
0	FIBER(DIETARY)	Leaf	--	363000	-0.13830099389752015	
0	FIXED-OIL	Seed	--	--		
62	GALLIC-ACID	Plant	--	--		Stitt, Paul. Why George should eat broccoli.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
11	GAMMA-TERPINENE	Plant	36	5460	1.6865623237463772	
11	GAMMA-TERPINENE	Essential Oil	17800	49500	-0.14620497552360953	
0	GAMMA-TERPINEOL	Plant	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	GAMMA-TERPINEOL	Essential Oil	--	--		
3	GENKWANIN	Leaf	--	43		
35	GERANIOL	Essential Oil	--	--		
35	GERANIOL	Plant	--	10660	1.3821598262581827	
5	GERANYL-ACETATE	Plant	--	3380	3.505632505880159	
7	GERMACRONE	Essential Oil	--	--		
12	GLYCINE	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
0	HEX-5-EN-1-OL	Essential Oil	--	--		
6	IRON	Plant	1075	1508	1.0375715013534672	USDA's Ag Handbook 8 and sequelae)
6	IRON	Leaf	25	147	-0.5479717246880129	
7	ISOBORNEOL	Essential Oil	--	--		

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
4	ISOCHLOROGENIC-ACID	Leaf	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
4	ISOCHLOROGENIC-ACID	Shoot	--	--		
16	ISOEUGENOL	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
3	ISOLEUCINE	Plant	4680	5054	-0.6194658766918496	USDA's Ag Handbook 8 and sequelae)
4	ISOTHYMONIN	Plant	--	--		
75	KAEMPFEROL	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
0	KILOCALORIES	Leaf	2990	2990	-0.04526603713996093	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
0	L-BORNEOL	Plant	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	LABIATIC-ACID	Leaf	--	--		
7	LAURIC-ACID	Plant	2300	2484	-0.35586324954160825	USDA's Ag Handbook 8 and sequelae)
2	LEUCINE	Plant	4300	4644	-0.9358077276861205	USDA's Ag Handbook 8 and sequelae)
60	LIMONENE	Plant	15	5200	2.7100484195210193	
60	LIMONENE	Essential Oil	--	5300	-0.7065592764801447	
0	LINALOL	Plant	20	17420	3.5059577384095792	
53	LINALOOL	Essential Oil	28200	42800	-0.3912382959429395	
53	LINALOOL	Plant	20	17420	1.6923500644491847	
7	LINALYL-ACETATE	Plant	15	4680	1.672465199772225	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
27	LINOLEIC-ACID	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
27	LINOLEIC-ACID	Plant	5000	5400	-0.498228841183293	USDA's Ag Handbook 8 and sequelae)
0	LINOLENIC-ACID	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
11	LITHIUM	Plant	4	4	1	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	LITHOSPERMIC-ACID	Shoot	--	--		
78	LUTEOLIN	Plant	--	--		
78	LUTEOLIN	Leaf	--	--		

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
0	LUTEOLIN-7-DIGLUCOSIDE	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	LUTEOLIN-7-O-BETA-D-D1-GLUCOSIDE	Plant	--	--		
0	LUTEOLIN-7-O-BETA-D-GLUCOSIDE	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
4	LYSINE	Plant	2070	2236	-0.977693978133575	USDA's Ag Handbook 8 and sequelae)
65	MAGNESIUM	Leaf	733	4360	0.09045438563126122	
65	MAGNESIUM	Plant	1630	2992	-0.3334971399346445	USDA's Ag Handbook 8 and sequelae)
14	MANGANESE	Leaf	1	6.4	-0.44924615028330334	
30	MENTHONE	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
15	METHIONINE	Plant	1370	1980	-0.0006446701756579119	USDA's Ag Handbook 8 and sequelae)
0	MONOTERPENES	Plant	--	17340		
22	MYRCENE	Essential Oil	--	17500	-0.21460744003259294	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
22	MYRCENE	Plant	36	676	0.2665889258585754	
0	MYRCENOL-8	Plant	15	3900		
0	MYRCENOL-8-ACETATE	Plant	15	2600		
6	MYRISTIC-ACID	Plant	1500	1620	0.7382551297828841	USDA's Ag Handbook 8 and sequelae)
0	N-TRIACONTANE	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
56	NARINGENIN	Plant	--	--		
11	NEROLIDOL	Plant	80	80	0.6116455838839169	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
39	NIACIN	Leaf	9	54	-0.5291254900954042	
39	NIACIN	Plant	54	54	-0.3183355989371754	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	OCIMENE	Essential Oil	--	--		

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
64	OLEANOLIC-ACID	Plant	6300	6300	0.6651424785159418	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
18	OLEIC-ACID	Plant	4700	5076	0.1061240929953362	USDA's Ag Handbook 8 and sequelae)
18	OLEIC-ACID	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
25	P-COUMARIC-ACID	Leaf	420	420	-0.2397011509117522	
0	P-CYMEN-8-OL	Essential Oil	--	--		
0	P-CYMEN-8-OL	Plant	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
16	P-CYMENE	Essential Oil	78300	441300	3.0099759781102042	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
16	P-CYMENE	Plant	146	20800	4.994249412924975	
13	P-HYDROXY-BENZOIC-ACID	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
0	P-HYDROXYBENZOIC-ACID-4-BETA-D-GLUCOSIDE	Leaf	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
13	PALMITIC-ACID	Plant	17200	18576	0.13135300956566015	USDA's Ag Handbook 8 and sequelae)
0	PHENOLS	Plant	800	27200	1.6309863122565058	
7	PHENYLALANINE	Plant	2410	2603	-1.1092448563718826	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Leaf	160	950	-0.7398952649396242	
4	PHOSPHORUS	Plant	1703	2502	-0.5221788524630546	USDA's Ag Handbook 8 and sequelae)
2	PHYTOSTEROLS	Plant	1520	1760	1.0113053738948798	
0	PLANTEOSE	Seed	--	--		
14	POTASSIUM	Leaf	1626	9680	-0.9124794391445947	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
14	POTASSIUM	Plant	7667	9302	-0.8714063817322808	USDA's Ag Handbook 8 and sequelae)
0	PROTEIN	Leaf	16632	99000	-1.1257384013756186	
0	PROTEIN	Plant	99000	99000	-0.6102395118306475	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTOCATECHUIC-ACID-4-BETA-D-GLUCOSIDE	Leaf	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	RESIN	Plant	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	RIBOFLAVIN	Plant	4	53	2.898116175774351	
15	RIBOFLAVIN	Leaf	0.7	4.3	-0.15770533507217988	
57	ROSMARINIC-ACID	Plant	26000	26000	-0.1440410263169351	Fitoterapia No.62: 166.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
57	ROSMARINIC-ACID	Shoot	5000	13500	-0.2218024185144439	
57	ROSMARINIC-ACID	Inflorescence	--	26000	-0.44370755261684197	
7	SALICYLATES	Leaf	180	1830	3.405792573475138	J. Amer. Diet. Ass. 85{8}:950.
0	SALICYLIC-ACID-2-BETA-D-GLUCOSIDE	Leaf	--	--		
5	SAPONINS	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
5	SCLAREOL	Essential Oil	--	--		
60	SELENIUM	Leaf	--	16	0.8468059442367126	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	SILICON	Leaf	3.4	20.2	-0.35311039000946726	
1	SODIUM	Leaf	250	1490	-0.3826506505861957	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
1	SODIUM	Plant	430	1341	-0.22984526918694634	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
12	STIGMASTEROL	Leaf	80	85	0.08060609155923636	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
0	SYRINGIC-ACID-4-BETA-D-GLUCOSIDE	Leaf	--	--		
0	SYRINGOYL-GLUCOSE	Leaf	--	--		
35	TANNIN	Leaf	16800	100000	-0.12855505340498594	
35	TANNIN	Plant	80000	100000	0.23890746627510662	
23	TERPINEN-4-OL	Essential Oil	--	--		
31	THIAMIN	Plant	5	6	-0.13599687437442232	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	THIAMINE	Leaf	1	5.5	0.07312289774690897	
4	THREONINE	Plant	2520	2722	-1.0265192446716156	USDA's Ag Handbook 8 and sequelae)

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
0	THUJAN-4-OL	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
71	THYMOL	Essential Oil	231000	600500	1.251897456651706	
71	THYMOL	Plant	15	24100	2.403959600133059	
71	THYMOL	Shoot	--	--		
0	THYMOL-METHYL-ETHER	Plant	1	10000	2.233549853082993	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	THYMONIN	Leaf	--	--		
3	THYMONIN	Plant	--	--		
0	THYMUNIC-ACID	Plant	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
0	THYMUSAPONIN	Plant	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	THYMYL-ACETATE	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
4	TIN	Leaf	3	17	0.16583896593447706	
0	TRANS-4-THUJANOL	Plant	--	--		
29	TRYPTOPHAN	Plant	1860	2009	-0.9423278904561724	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Plant	2410	2603	-0.79834365352232	USDA's Ag Handbook 8 and sequelae)
89	URSOLIC-ACID	Plant	15000	18800	0.1020852373558865	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
3	VALINE	Plant	5020	5422	-0.5699263899456222	USDA's Ag Handbook 8 and sequelae)
24	VANILLIC-ACID	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
0	VANILLIC-ACID-4-BETA-D-GLUCOSIDE	Leaf	--	--		
0	WATER	Plant	74111	81690	-2.95067665051006	USDA's Ag Handbook 8 and sequelae)
0	WATER	Leaf	--	832000	0.1215431745492862	
77	ZINC	Leaf	0.3	1.5	-0.517562565370557	
77	ZINC	Plant	55	74	0.2155665551284883	USDA's Ag Handbook 8 and sequelae)