

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Ocimum basilicum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
176	QUERCETIN	Leaf				--
112	ASCORBIC-ACID	Leaf	27.0	2000.0	-0.25834558219747267	--
102	CAFFEIC-ACID	Leaf		19100.0	1.933822416683755	--
102	CAFFEIC-ACID	Tissue Culture				--
101	APIGENIN	Plant				Stitt, Paul. Why George should eat broccoli.
89	URSOLIC-ACID	Stem		845.0	0.7881966335751702	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
89	URSOLIC-ACID	Sprout Seedling		63.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
89	URSOLIC-ACID	Leaf				--
89	URSOLIC-ACID	Flower		1740.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
87	RUTIN	Leaf				--
78	LUTEOLIN	Plant				Stitt, Paul. Why George should eat broccoli.
77	ZINC	Leaf	5.0	6.0	-0.48994598747101986	USDA's Ag Handbook 8 and sequelae)
76	EUGENOL	Plant		14.0	-0.6109651056315911	--
76	EUGENOL	Leaf Essent. Oil	51200.0	270000.0	-0.30638029986732646	--
76	EUGENOL	Leaf	14.0	8575.0	0.19127842889726174	--
76	EUGENOL	Shoot Essent. Oil	5700.0	26700.0		--
76	EUGENOL	Essential Oil	300.0	857500.0	1.714831728119204	--
75	KAEMPFEROL	Leaf				--
71	THYMOL	Shoot Essent. Oil		1000.0	-0.6751908682417391	--
71	THYMOL	Essential Oil				--
71	THYMOL	Leaf		1415.0	0.34997957884319775	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
67	1,8-CINEOLE	Plant		135.0	-0.5237695990512106	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
67	1,8-CINEOLE	Plant		135.0	-0.5237695990512106	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
65	MAGNESIUM	Leaf	4100.0	4340.0	0.08273170384575512	USDA's Ag Handbook 8 and sequelae)
64	OLEANOLIC-ACID	Flower		1300.0	-0.6357280607585934	--
64	OLEANOLIC-ACID	Leaf		1700.0	0.19433717473155765	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
63	MENTHOL	Essential Oil				--
63	MENTHOL	Plant	4.0	32.0	-0.6155897076601419	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
60	LIMONENE	Plant		20.0	-0.4735121569427471	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
60	LIMONENE	Leaf Essent. Oil	1000.0	2900.0	-0.6654054021595263	--
60	LIMONENE	Shoot Essent. Oil		7100.0	-0.8611251092370704	--
60	LIMONENE	Essential Oil	3100.0	77600.0	-0.2904096059080155	--
60	LIMONENE	Plant		20.0	-0.4735121569427471	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
57	ROSMARINIC-ACID	Shoot		1300.0	-0.7944986102342779	--
57	ROSMARINIC-ACID	Plant	1000.0	19000.0	-0.5696167858896972	--
57	ROSMARINIC-ACID	Tissue Culture				--
57	ROSMARINIC-ACID	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	CITRAL	Essential Oil		700000.0	1.6605158904602735	--
53	LINALOOL	Shoot Essent. Oil	49500.0	177100.0	0.31770222209079224	--
53	LINALOOL	Flower Essent. Oil		416000.0		--
53	LINALOOL	Essential Oil	10.0	630000.0	2.241643366280597	--
53	LINALOOL	Leaf Essent. Oil	14000.0	593000.0	3.0590616231923224	--
53	LINALOOL	Leaf				--
53	LINALOOL	Plant	5.0	8730.0	0.5167217771424646	--
53	CITRAL	Plant	560.0	7000.0	-0.02464955373944787	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
53	BETA-CAROTENE	Leaf	4.0	333.0	0.31225803965642646	--
47	BETA-SITOSTEROL	Stem		845.0	0.24120717836480773	--
47	BETA-SITOSTEROL	Seed		527.0	-0.4287473793704042	--
47	BETA-SITOSTEROL	Sprout Seedling		230.0	-1.0962039963725738	--
47	BETA-SITOSTEROL	Root		408.0	-0.2659856197797314	--
47	BETA-SITOSTEROL	Leaf	790.0	1705.0	-0.15694051781455237	--
47	BETA-SITOSTEROL	Flower		1051.0	-0.8129550273341427	--
41	CAMPHOR	Essential Oil	2100.0	7200.0	-1.1929832436449845	--
41	CAMPHOR	Plant	2.0	31.0	-0.6381982068688171	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
41	CAMPHOR	Shoot Essent. Oil		4500.0	-1.0	--
41	CAMPHOR	Leaf Essent. Oil		10000.0	-0.7795867266952746	--
39	NIACIN	Leaf	8.0	69.0	-0.34667165096151836	--
37	CARVACROL	Plant				--
37	CARVACROL	Shoot Essent. Oil		6800.0	-0.7212680383887677	--
36	ANETHOLE	Essential Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
36	ANETHOLE	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
35	TANNIN	Plant		50000.0	-0.4910667725786353	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	TANNIN	Tissue Culture				--
35	GERANIOL	Shoot Essent. Oil	1100.0	3900.0		--
35	BORNEOL	Plant		3.0	-0.6682251883160577	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
35	GERANIOL	Essential Oil		100000.0	0.4011550201900289	--
35	BORNEOL	Plant		3.0	-0.6682251883160577	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
35	GERANIOL	Plant		3.0	-0.44914525148490203	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
35	BORNEOL	Shoot Essent. Oil		1200.0	-0.7871147430282157	--
35	GERANIOL	Plant	1.0	1000.0	-0.27782019166414046	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
35	BORNEOL	Essential Oil		1200.0	-0.9038697263749434	--
33	AESCULIN	Leaf				--
32	AESCULETIN	Leaf				--
31	THIAMIN	Leaf	1.0	6.0	-0.4802995853174522	--
31	CARYOPHYLLENE	Plant	18.0	3196.0	3.6582342247473596	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
30	ESCULETIN	Leaf				Plantes Medicinales et Phytotherapie, 24: 193.
30	ANTHOCYANINS	Leaf				--
30	MENTHONE	Essential Oil				--
30	MENTHONE	Plant		1.0	-0.5150338999298373	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
29	TRYPTOPHAN	Leaf		2210.0	-0.8173232064374916	USDA's Ag Handbook 8 and sequelae)
29	SAFROLE	Plant	60.0	400.0	0.8497176108557255	--
29	ESCULIN	Leaf				--
28	CALCIUM	Leaf	3200.0	23700.0	0.35959605461482125	--
28	ALPHA-PINENE	Plant	2.0	180.0	-0.35409162350207984	--
28	ALPHA-PINENE	Essential Oil	300.0	18000.0	-0.4016792923021472	--
28	ALPHA-PINENE	Shoot Essent. Oil	4600.0	7200.0	-0.46017762363908365	--
28	ALPHA-PINENE	Leaf Essent. Oil	3700.0	13000.0	-0.6816393866518402	--
27	LINOLEIC-ACID	Seed	53240.0	145200.0	0.32625439958347807	--
25	P-COUMARIC-ACID	Leaf		760.0	-0.150429773215176	--
24	BENZALDEHYDE	Essential Oil		700.0	-0.6916241263883828	--
23	TERPINEN-4-OL	Essential Oil	1700.0	6800.0	-0.5510718514991831	--
23	TERPINEN-4-OL	Leaf Essent. Oil	24300.0	25700.0	-0.33110328936252614	--
23	TERPINEN-4-OL	Plant	2.0	120.0	-0.2292113627770182	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
23	ALPHA-TERPINEOL	Shoot Essent. Oil		9600.0	1.3997084244475302	--
23	ALPHA-TERPINEOL	Plant	36.0	239.0	-0.2954805858988341	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
23	ALPHA-TERPINEOL	Leaf Essent. Oil	5650.0	7000.0	-0.7232141414984458	--
23	ALPHA-TERPINEOL	Essential Oil	6700.0	23900.0	0.2853731010302511	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	TERPINEN-4-OL	Shoot Essent. Oil				--
22	MYRCENE	Leaf	2.0	80.0	-0.14380734093480035	--
22	MYRCENE	Leaf Essent. Oil	1000.0	8600.0	-0.3333131413210551	--
22	MYRCENE	Plant	2.0	80.0	-0.3882101667097782	--
22	MYRCENE	Shoot Essent. Oil	2600.0	18000.0	-0.40439631676723714	--
22	ISOQUERCITRIN	Leaf				--
22	MYRCENE	Essential Oil		1300.0	-0.4270241436912702	--
20	METHYL-EUGENOL	Plant	13.0	1400.0	0.9663911485584473	--
20	ALPHA-BISABOLOL	Plant		90.0	-0.06989988186929946	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
20	ALPHA-BISABOLOL	Essential Oil				--
19	CARVONE	Plant				Stitt, Paul. Why George should eat broccoli.
19	CARVONE	Shoot Essent. Oil		16000.0	-0.6664162971220318	--
18	OLEIC-ACID	Seed	26620.0	36300.0	-0.6806928979897604	--
17	FARNESOL	Plant				--
16	P-CYMENE	Plant	1.0	16.0	-0.4160900695992076	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
16	P-CYMENE	Tissue Culture				--
16	P-CYMENE	Leaf Essent. Oil		300.0	-0.7742826608460229	--
16	ACETIC-ACID	Essential Oil				--
16	P-CYMENE	Shoot Essent. Oil		300.0	-1.3971068639782231	--
16	P-CYMENE	Essential Oil		2400.0	-0.6135781849583403	--
16	ISOEUGENOL	Plant	8.0	95.0		--
15	METHYL-ISOEUGENOL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	CITRONELLOL	Plant		0.2	-0.7485510521834722	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
15	CITRONELLOL	Plant		0.2	-0.7485510521834722	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
15	METHIONINE	Leaf		2020.0	-0.8867496430331252	USDA's Ag Handbook 8 and sequelae)
15	FIBER	Leaf	145790.0	154290.0	-0.08959174734898213	--
15	RIBOFLAVIN	Leaf	3.0	4.0	-0.15911158075734227	--
15	CITRONELLOL	Essential Oil	80000.0	241900.0	1.7378875538585694	--
14	POTASSIUM	Leaf	4290.0	42900.0	0.5544414923455223	--
14	ARGININE	Leaf		6620.0	-0.863646085190795	USDA's Ag Handbook 8 and sequelae)
14	MANGANESE	Leaf		32.0	-0.40668721364691	USDA's Ag Handbook 8 and sequelae)
13	BETA-PINENE	Plant	3.0	160.0	-0.2627291295986692	--
13	BETA-EUDES MOL	Shoot Essent. Oil		3000.0	-1.0	--
13	BETA-IONONE	Shoot Essent. Oil		1600.0		--
13	GERANIAL	Plant		5.0	-0.8456994799530183	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
13	ALPHA-TERPINENE	Plant	1.0	10.0	-0.48651836720139585	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
13	ALPHA-TERPINENE	Leaf Essent. Oil		600.0	-0.698535055754104	--
13	BETA-PINENE	Essential Oil	5500.0	16000.0	-0.37511613864599774	--
13	ALPHA-TERPINENE	Shoot Essent. Oil		300.0	-0.9635029368323148	--
13	BETA-PINENE	Shoot Essent. Oil	8200.0	9300.0	1.1230823071409943	--
13	ALPHA-TERPINENE	Essential Oil		400.0	-0.766355883758014	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	GERANIAL	Leaf Essent. Oil		2000.0	-1.0	--
13	BETA-PINENE	Leaf Essent. Oil	7300.0	2000.0	-0.9267593911993299	--
13	GERANIAL	Shoot Essent. Oil		2100.0		--
13	PALMITIC-ACID	Seed		16940.0	-0.350073884010438	--
13	GERANIAL	Plant		5.0	-0.8456994799530183	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
12	ESTRAGOLE	Flower Essent. Oil				--
12	ESTRAGOLE	Leaf				--
12	VICENIN-2	Leaf				--
12	ESTRAGOLE	Leaf Essent. Oil	7500.0	900000.0	1.0365049414283074	--
12	GLYCINE	Leaf		6900.0	-0.9337878392435092	USDA's Ag Handbook 8 and sequelae)
12	ESTRAGOLE	Essential Oil	300.0	872100.0	0.7157318089649249	--
12	COPPER	Leaf		14.0	-0.3758429396758034	USDA's Ag Handbook 8 and sequelae)
12	STIGMASTEROL	Plant				Stitt, Paul. Why George should eat broccoli.
12	ESTRAGOLE	Plant	35.0	9000.0	-0.6985578481954239	--
12	STIGMASTEROL	Leaf		180.0	1.194435720377775	--
12	ESTRAGOLE	Shoot Essent. Oil				--
11	GAMMA-TERPINENE	Plant	1.0	10.0	-0.529894116080377	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
11	NEROLIDOL	Shoot Essent. Oil		4700.0		--
11	NEROLIDOL	Plant		5.0	-0.9701964434020749	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.



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11	NEROLIDOL	Essential Oil				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
11	GAMMA-TERPINENE	Leaf Essent. Oil	2000.0	14900.0	-0.5298384190634473	--
10	ERIODICTYOL	Leaf				--
10	NEROL	Shoot Essent. Oil		700.0		--
10	NEROL	Essential Oil		30000.0	-0.586310919290707	--
10	NEROL	Plant	2.5	300.0	-0.24843221504215574	--
9	TERPINOLENE	Plant	1.0	22.0	-0.5437369745244341	--
9	CAMPHENE	Essential Oil		900.0	-0.666936586225485	--
9	CAMPHENE	Shoot Essent. Oil		500.0	-0.8123496252026575	--
9	CAMPHENE	Leaf Essent. Oil	300.0	900.0	-0.8450720560025149	--
9	VALERIC-ACID	Essential Oil				--
9	BENZYL-ALCOHOL	Essential Oil				--
9	CAMPHENE	Plant	0.0	400.0	0.07840780100655714	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
9	BENZYL-ACETATE	Leaf	17.0	163.0		--
9	TERPINOLENE	Leaf Essent. Oil		2600.0	-0.536195561668254	--
9	DELTA-CADINENE	Plant		5.0	-0.5302645800660227	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
9	DELTA-CADINENE	Shoot Essent. Oil	2600.0	66600.0	1.0	--
9	TERPINOLENE	Shoot Essent. Oil		400.0	-1.0	--
9	DELTA-CADINENE	Plant		5.0	-0.5302645800660227	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
9	TERPINOLENE	Essential Oil		1000.0	-0.38815736668905965	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	GLUTAMIC-ACID	Leaf		15650.0	-1.204342874821576	USDA's Ag Handbook 8 and sequelae)
8	TRANS-ANETHOLE	Shoot Essent. Oil		6300.0	-1.0	--
8	TRANS-ANETHOLE	Essential Oil		7400.0	-1.2051729948329528	Hussain, R.A., et. al. 1990. Sweetening Agents of Plant Origin: Phenylpropanoid Constituents of Seven Sweet-Tasting Plants. Econ. Bot. 44 2: 174-182. Program Collab. Res. Pharm. Sci. Coll. Pharmacy Univ. Illinois at Chicago IL 60680, USA.
8	TRANS-ANETHOLE	Plant	11.0	74.0	-0.4532712115799402	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
8	STEARIC-ACID	Seed		485.0	-0.5548671871852875	--
8	CARYOPHYLENE-OXIDE	Essential Oil				--
8	TYROSINE	Leaf		4320.0	-1.0238955187502574	USDA's Ag Handbook 8 and sequelae)
7	HISTIDINE	Leaf		2870.0	-1.2578053845584176	USDA's Ag Handbook 8 and sequelae)
7	LINALYL-ACETATE	Plant	15.0	240.0	-0.4626561664258833	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
7	SUCCINIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
6	ALPHA-THUJONE	Plant				--
6	FENCHONE	Plant		30.0	-0.4714639178202843	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
6	PROPIONIC-ACID	Essential Oil				--
6	BETA-BISABOLENE	Plant		6.5	-0.6328717716575204	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.

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6	FENCHONE	Plant		30.0	-0.4714639178202843	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
6	FENCHONE	Shoot Essent. Oil		12900.0		--
6	O-METHOXYCINNAMALDEHYDE	Plant				--
6	BETA-BISABOLENE	Plant		6.5	-0.6328717716575204	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
6	BUTYRIC-ACID	Essential Oil				--
6	METHYL-CHAVICOL	Plant	238.0	8780.0	0.8345194128913528	--
6	FURFURAL	Plant				--
6	IRON	Leaf	48.0	478.0	0.2910263957706515	--
6	BETA-BISABOLENE	Shoot Essent. Oil		2600.0	1.0	--
5	BETA-ELEMENE	Essential Oil		16100.0	-0.9072086362241611	--
5	BETA-ELEMENE	Shoot Essent. Oil	4900.0	81600.0	1.4135003647459183	--
5	BETA-THUJONE	Plant				--
5	BETA-ELEMENE	Plant		12.0	-0.43128205717178886	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
5	EUGENOL-METHYL-ETHER	Leaf Essent. Oil		378000.0	1.0	--
5	SABINENE	Leaf Essent. Oil	2000.0	3900.0	-0.5747006667443069	--
5	EUGENOL-METHYL-ETHER	Shoot Essent. Oil	2000.0	8200.0		--
5	SABINENE	Essential Oil		2500.0	-0.5783801713741707	--
5	EUGENOL-METHYL-ETHER	Plant	375.0	2500.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
5	EUGENOL-METHYL-ETHER	Essential Oil		26800.0	0.04687758407501351	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	SABINENE	Plant		8.0	-0.4483811260005284	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
5	METHYL-CINNAMATE	Plant	1.0	2800.0		--
5	SABINENE	Shoot Essent. Oil	3100.0	3500.0	-0.7938224515162632	--
5	GERANYL-ACETATE	Leaf	11.0	84.0	-0.6125829219693176	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
4	NERAL	Shoot Essent. Oil		2000.0		--
4	LYSINE	Leaf		6180.0	-1.5226687945679613	USDA's Ag Handbook 8 and sequelae)
4	NERAL	Plant		5.0	-0.761795742829685	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
4	ORIENTIN	Plant				Stitt, Paul. Why George should eat broccoli.
4	BORON	Plant	18.0	31.0	-0.49409835011398384	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).
4	PHOSPHORUS	Leaf	380.0	5235.0	0.04848893148250219	--
4	PELLANDRENE	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
4	THREONINE	Leaf		5880.0	-1.3106860880630495	USDA's Ag Handbook 8 and sequelae)
4	NERAL	Leaf Essent. Oil		1000.0	-1.0	--
3	XANTHOMICROL	Leaf		350.0		--
3	MUCILAGE	Seed		93000.0	-0.6574211348716195	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	BETA-DAMASCENONE	Shoot Essent. Oil		1700.0		--
3	ALANINE	Leaf		7470.0	-1.1923060818343414	USDA's Ag Handbook 8 and sequelae)
3	VALINE	Leaf		7170.0	-1.5483541431568815	USDA's Ag Handbook 8 and sequelae)
3	ISOLEUCINE	Leaf		5880.0	-1.5930724298495411	USDA's Ag Handbook 8 and sequelae)
3	ALPHA-SELINENE	Plant				--
3	MUCILAGE	Seed Oil				--
3	ALPHA-CEDRENE	Essential Oil				--
3	ASPARTIC-ACID	Leaf		16960.0	-0.6357584583519637	USDA's Ag Handbook 8 and sequelae)
3	ALPHA-CEDRENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
3	CHAVICOL	Plant		3.0	-0.7071067811865478	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
3	BETA-SELINENE	Plant				--
3	CHAVICOL	Plant		3.0	-0.7071067811865478	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
3	XYLOSE	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
3	AESCULOSIDE	Flower				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
3	CIS-OCIMENE	Plant	3.0	252.0	0.3293039459859423	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	ALPHA-HUMULENE	Plant		16.0	-0.6253709820933909	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
2	P-METHOXYCINNAMALDEHYDE	Essential Oil	1000.0	4000.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	ALPHA-HUMULENE	Shoot Essent. Oil	6700.0	11800.0	0.818288975563984	--
2	ELEMOL	Essential Oil				--
2	GERMACRENE-D	Shoot Essent. Oil	13600.0	36200.0	-1.277169083049922	--
2	ALPHA-HUMULENE	Essential Oil		31300.0	-0.1980459026032663	--
2	GERMACRENE-D	Leaf Essent. Oil		11100.0	-0.6029429234203527	--
2	HUMULENE	Essential Oil				--
2	P-METHOXYCINNAMALDEHYDE	Flower Essent. Oil		40000.0		--
2	BETA-MYRCENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	ALPHA-HUMULENE	Leaf Essent. Oil		5650.0	-0.5249878546134739	--
2	CYSTINE	Leaf		1590.0	-1.117533773233964	USDA's Ag Handbook 8 and sequelae)
2	OCIMENE	Leaf Essent. Oil		1000.0	-1.0	--
2	OCIMENE	Essential Oil				--
2	GERMACRENE-D	Plant		35.0	-0.3920642941811044	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
2	PHYTOSTEROLS	Leaf		1060.0	-0.47114523357690347	USDA's Ag Handbook 8 and sequelae)
2	GERMACRENE-D	Plant		35.0	-0.3920642941811044	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	LEUCINE	Leaf		10780.0	-0.8829732628709146	USDA's Ag Handbook 8 and sequelae)
2	CAMPESTEROL	Leaf		90.0	-0.37970082853926607	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
2	BETA-SANTALENE	Essential Oil				--
2	ALPHA-HUMULENE	Plant		16.0	-0.6253709820933909	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
2	BETA-MYRCENE	Essential Oil				--
1	CAPROIC-ACID	Essential Oil				--
1	SERINE	Leaf		5610.0	-1.1663710510980512	USDA's Ag Handbook 8 and sequelae)
1	CIS-ANETHOLE	Plant				--
1	SODIUM	Leaf	120.0	890.0	-0.4892147785607772	--
1	CIS-3-HEXENOL	Plant				--
1	NEROLIDIOL	Essential Oil				--
1	ISOCARYOPHYLLENE	Plant				--
1	COPAENE	Essential Oil		1400.0	-0.8722389827292886	--
1	NEROLIDIOL	Plant		5.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
1	FENCHYL-ALCOHOL	Plant		7.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
1	D-GLUCOSE	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	FENCHYL-ALCOHOL	Plant		7.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
1	SODIUM	Plant	294.0	386.0	-0.28271053121447925	--
0	CARBOHYDRATES	Leaf	70000.0	610000.0	-0.014709687051073339	--
0	ALPHA-BERGAMOTENE	Essential Oil				--
0	HEX-CIS-2-EN-1-OL-BUTYRATE	Shoot Essent. Oil		500.0		--
0	BETA-CADINENE	Plant				--
0	OCTEN-1-OL-ACETATE	Shoot Essent. Oil		300.0		--
0	ALPHA-BISABOLENE	Plant		90.0	1.4102204808154215	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	1,8-CINEOL	Leaf Essent. Oil	5000.0	100000.0	-0.19227395568102532	--
0	ASH	Plant	20000.0	153000.0	0.5778841665437804	--
0	D-GALACTURONIC-ACID	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	GAMMA-MUUROLENE	Essential Oil				--
0	HUMULENE-EPOXIDE	Plant		0.2		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	T-CADINOL	Shoot Essent. Oil		71400.0		--
0	URSOLIC-ACID-II	Flower		1274.0		--
0	FENCHYL-ACETATE	Plant	1.0	60.0		--
0	SESQUITHUJENE	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GAMMA-ELEMENE	Shoot Essent. Oil	5800.0	16200.0	1.0	--
0	CIS-LIMONENE	Plant	30.0	933.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	SESQUITHUJENE	Plant				--
0	(E)-ALPHA-BERGAMOTTENE	Plant		75.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	ERIODICTYOL-7-O-GLUCOSIDE	Leaf				Plantes Medicinales et Phytotherapie, 24: 193.
0	BETA-OCIMENE	Plant	1.0	435.0		--
0	ALPHA-GUAIENE	Plant				--
0	PROTEIN	Leaf	33000.0	240000.0	0.28087283644332645	--
0	MYRCENOL	Essential Oil				--
0	ALPHA-TERPINEOL ACETATE	Leaf Essent. Oil		45100.0	0.3967976763338348	--
0	ALPHA-AMORPHENE	Essential Oil				--
0	CIS-GERANYL-ACETONE	Shoot Essent. Oil		1400.0		--
0	ALPHA-BERGAMOTENE	Plant		75.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	JUVOCIMENE-II	Plant	0.007	0.05		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	1,8-CINEOL	Essential Oil	33700.0	77600.0	-0.1052841403773199	--
0	QUERCETIN-GLYCOSIDE	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	D-GALACTOSE	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	BETA-BOURBONENE	Plant				--
0	OCTAN-1-OL-ACETATE	Shoot Essent. Oil		1700.0		--
0	CIS-LINALOOL-OXIDE	Essential Oil		800.0		--
0	3-OCTANONE	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	TRICYCLEN	Essential Oil				--
0	TRANS-OCIMENE	Essential Oil		16100.0	-1.0567716958245414	--
0	GAMMA-CADINENE	Leaf Essent. Oil		22800.0	1.411528302781677	--
0	CIS-CINNAMIC-ACID-METHYL-ESTER	Plant	67.0	900.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	ALPHA-TERPINYL-ACETATE	Plant				--
0	WATER	Leaf	771000.0	865000.0	0.28617957864078786	--
0	TERPINEN-1-OL	Essential Oil				--
0	ALPHA-FENCHENE	Essential Oil				--
0	LINOLENIC-ACID	Seed	50820.0	121000.0	1.5324980081440946	--
0	CIS-CINNAMIC-ACID-METHYL-ESTER	Shoot Essent. Oil		14500.0		--
0	ALPHA-AMORPHENE	Plant				--
0	JUVOCIMENE-I	Plant	0.007	0.05		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	(-)-LINALOOL	Leaf Essent. Oil		20000.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(-)-LINALOOL	Plant	30.0	300.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	VANILLIC-ACID-4-BETA-D-GLUCOSIDE	Leaf				--
0	GAMMA-MUUROLENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	P-METHOXYBENZALDEHYDE	Plant				--
0	GERMACRENE-A	Shoot Essent. Oil		1500.0		--
0	D-ARABINOSE	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	OCTAN-1-OL	Shoot Essent. Oil				--
0	CIS-LIMONENE	Essential Oil		93300.0		--
0	TRANS-SABINENE-HYDRATE	Plant				--
0	TRANS-LINALOOL-OXIDE	Essential Oil		800.0		--
0	(Z)-BETA-FARNESENE	Plant		16.0	0.9506541513652698	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	SAMBULENE	Leaf				--
0	EO	Plant		2500.0	-0.5501330222038597	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	SPATHULENOL	Shoot Essent. Oil		16700.0	1.0	--
0	CALAMENE	Plant				--
0	ALPHA-FARNESENE	Plant				--
0	PROLINE	Leaf		5880.0	-0.7770140055446013	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CIS-CINNAMIC-ACID-METHYL-ESTER	Flower Essent. Oil				--
0	ALPHA-GUAIENE	Shoot Essent. Oil		1300.0		--
0	URSOLIC-ACID-II	Stem		106.0		--
0	(-)-CEDRENOL	Shoot Essent. Oil				--
0	GAMMA-GURJUNENE	Plant				--
0	GERANIOL-ACETATE	Leaf Essent. Oil		5000.0	-1.0	--
0	BETA-TERPINENE	Leaf Essent. Oil		28000.0		--
0	BETA-CUBEBENE	Shoot Essent. Oil		3700.0		--
0	TRANS-OCIMENE	Plant	8.0	161.0	-0.42179956415038755	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	FAT	Leaf	12000.0	89000.0	0.6483756218635724	--
0	CIS-ALLO-OCIMENE	Plant				--
0	(Z)-BETA-FARNESENE	Plant		16.0	0.9506541513652698	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	SALICYLIC-ACID-2-BETA-D-GLUCOSIDE	Leaf				--
0	METHYL-THYMOL	Plant		0.2	-0.9999999999999998	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	T-CADINOL	Plant		0.5	-0.7318552362623783	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	EO	Plant		2500.0	-0.5501330222038597	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BETA-CYMENE	Plant	5.0	36.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	ERIODICTYOL-7-O-BETA-D-GLUCOSIDE	Leaf				--
0	CAFFEIC-ACID-N-BUTYL-ESTER	Leaf		252.0		--
0	ALPHA-CUBEBENE	Plant				--
0	BETA-CYMENE	Essential Oil		3600.0	1.0	Hussain, R.A., et. al. 1990. Sweetening Agents of Plant Origin: Phenylpropanoid Constituents of Seven Sweet-Tasting Plants. Econ. Bot. 44 2: 174-182. Program Collab. Res. Pharm. Sci. Coll. Pharmacy Univ. Illinois at Chicago IL 60680, USA.
0	3-METHYL-BUTAN-1-AL	Shoot Essent. Oil		100.0		--
0	ALPHA-FENCHYL-ALCOHOL	Shoot Essent. Oil		2800.0		--
0	TRANS-SABINENE-HYDRATE	Essential Oil				--
0	GAMMA-ELEMENE	Plant		15.0	-0.35322200627257305	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	NONANAL	Plant				--
0	GERANIOL-ACETATE	Essential Oil				--
0	CYCLOSATIVENE	Plant				--
0	CINNAMIC-ACID-METHYL-ESTER	Leaf				--
0	ALPHA-CUBEBENE	Shoot Essent. Oil		2800.0		--
0	TRANS-CINNAMIC-ACID-METHYL-ESTER	Plant	350.0	7000.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	CALAMENENE	Shoot Essent. Oil		600.0		--
0	(E)-BETA-OCIMENE	Plant	1.0	435.0	2.2262230322078222	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SAPONIN	Plant		50000.0	0.6036784588712457	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	T-CADINOL	Plant		0.5	-0.7318552362623783	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	DELTA-GUAIENE	Plant				--
0	BETA-CUBEBENE	Plant				--
0	EO	Shoot				--
0	ALPHA-COPAENE	Plant		0.8	-0.5360924635311449	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	BETA-CARYOPHYLLENE	Shoot Essent. Oil	2300.0	13900.0	-1.1154717314686748	--
0	PLANTEOSE	Seed				--
0	LINALOL	Plant	30.0	300.0	-0.36439344091845893	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	2-ETHYL-FURAN	Shoot Essent. Oil		100.0		--
0	5,10(15)-CADINEN-4-OL	Plant		1.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	SYRINGOYL-GLUCOSE	Leaf				--
0	ALPHA-FENCHONE	Shoot Essent. Oil		1300.0		--
0	ISOEUGENOL-METHYL-ETHER	Plant				Stitt, Paul. Why George should eat broccoli.
0	GAMMA-ELEMENE	Plant		15.0	-0.35322200627257305	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CINNAMIC-ACID-METHYL-ESTER	Leaf Essent. Oil	45200.0	538000.0		--
0	TRANS-CINNAMIC-ACID	Plant	350.0	7000.0		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	CINNAMIC-ACID-METHYL-ESTER	Essential Oil				--
0	ALPHA-SANTALENE	Essential Oil				--
0	(E)-BETA-FARNESENE	Plant		7.0	-0.7155078185625302	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	PROTEIN	Seed		214000.0	-0.17609627257566335	--
0	BETA-CEDRENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	ALPHA-COPAENE	Plant	0.8	20.0	-0.43857493345252835	--
0	BETA-CARYOPHYLLENE	Essential Oil	6800.0	37700.0	-0.423331277266507	--
0	LINALOL	Plant	5.0	8730.0	1.541392799837111	--
0	1-EPI-BICYCLOSQUIPHELLANDRENE	Essential Oil				--
0	SYRINGIC-ACID-4-BETA-D-GLUCOSIDE	Leaf				--
0	ALPHA-CUBEBENE	Essential Oil		1200.0	-0.7318222037940755	--
0	OCTANOL	Plant				--
0	URSOLIC-ACID-II	Leaf	413.0	1144.0		--
0	GAMMA-CADINENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	KAEMPFEROL-GLYCOSIDE	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	CHAVICOL-METHYL-ESTER	Essential Oil		22400.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	5,10(15)-CADINEN-4-OL	Plant		1.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	HEXAN-1-AL	Shoot Essent. Oil				--
0	CARBOHYDRATE	Leaf	70000.0	652000.0	0.15153471586389045	--
0	CHAVICOL-METHYL-ETHER	Plant	500.0	5658.0		--
0	BORNEOL-ACETATE	Leaf Essent. Oil	10000.0	14400.0	-0.46886953625320477	--
0	(E)-ALPHA-BERGAMOTENE	Plant		75.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	NEROL-ACETATE	Shoot Essent. Oil		2500.0		--
0	BETA-CARYOPHYLLENE	Plant		35.0	-0.7823361395544459	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	CYCLOHEXANONE	Essential Oil				--
0	BETA-CARYOPHYLLENE	Leaf Essent. Oil		70000.0	0.01096743109356414	--
0	1-EPI-BICYCLOSEQUIPELLANDRENE	Leaf Essent. Oil				--
0	ALPHA-COPAENE	Shoot Essent. Oil	300.0	3600.0	-1.0	--
0	TRANS-CINNAMIC-ACID-METHYL-ESTER	Shoot Essent. Oil		126600.0		--
0	D-LINALOOL	Plant	125.0	1375.0	-0.38805231936457235	--
0	CHAVICOL-METHYL-ESTER	Shoot Essent. Oil		667500.0		--
0	3-OCTANONE	Plant				--
0	HEXAHYDROFARNESYL-ACETONE	Shoot Essent. Oil		4400.0		--
0	TRANS-ALLO-OCIMENE	Plant				--
0	ALPHA-P-DIMETHYL-STYRENE	Plant				--
0	BORNEOL-ACETATE	Essential Oil	5200.0	90000.0	0.2007529553084246	--



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(3)-BETA-FARNESENE	Plant		7.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	D-MANNURONIC-ACID	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	BETA-CARYOPHYLLENE	Plant		35.0	-0.7823361395544459	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	CYCLOHEXANOL	Essential Oil				--
0	BORNEOL-ACETATE	Plant	90.0	900.0		--
0	ALPHA-CADINENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	BETA-BOURBONENE	Shoot Essent. Oil		3800.0	-1.183040531089796	--
0	PHENYL-ETHYL-ALCOHOL	Plant	18.0	136.0	-0.5062572440365607	--
0	LINALOOL-ACETATE	Shoot Essent. Oil		2400.0		--
0	LEDENE	Plant				--
0	1,8-CINEOL	Leaf				--
0	KILOCALORIES	Plant	430.0	3280.0	-0.019226817903195786	--
0	ALPHA-CARYOPHYLLENE	Shoot Essent. Oil				--
0	JUVOCIMENE-II	Essential Oil		5.0		--
0	TRANS-CINNAMIC-ACID-METHYL-ESTER	Leaf Essent. Oil		47300.0		--
0	URSOLIC-ACID-II	Sprout Seedling		63.0		--
0	2-EPI-ALPHA-CEDRENE	Plant				--
0	HEX-CIS-3-EN-1-OL-ACETATE	Essential Oil		500.0		--
0	TERPINENE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALPHA-MUUROLENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	BETA-OCIMENE	Shoot Essent. Oil				--
0	ALPHA-BULNESENE	Shoot Essent. Oil		2600.0		--
0	D-MANNOSE	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	BETAPELEMENE	Plant		12.0		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	ALPHA-BULNESENE	Plant		6.5		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	LINALOOL-ACETATE	Leaf Essent. Oil		6000.0	-1.108269136137348	--
0	L-RHAMNOSE	Seed				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	1,8-CINEOL	Flower Essent. Oil				--
0	FLAVONOIDS	Plant				--
0	JUVOCIMENE-I	Essential Oil		5.0		--
0	HYDROXY-BENZOIC-ACID-4-BETA-D-GLUCOSIDE	Leaf				--
0	TRANS-CINNAMIC-ACID-METHYL-ESTER	Flower Essent. Oil				--
0	UNDECYLALDEHYDE	Plant		0.0		--
0	GAMMA-CADINENE	Essential Oil				--
0	CIS-SABINENE-HYDRATE	Plant				--
0	1-OCTEN-3-OL	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HEX-CIS-3-EN-1-OL-ACETATE	Shoot Essent. Oil				--
0	QUERCETIN-3-O-DIGLUCOSIDE	Leaf				--
0	ALPHA-BISABOLENE	Shoot Essent. Oil		36000.0		--
0	BETA-CADINOL	Essential Oil				--
0	POLYSACCHARIDE	Seed				--
0	ALPHA-BULNESENE	Plant		6.5		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	LINALOOL-ACETATE	Essential Oil				--
0	KAEMPFEROL-3-O-BETA-D-RUTINOSIDE	Leaf				--
0	1,8-CINEOL	Shoot Essent. Oil		54400.0	-0.5387121307211548	--
0	XI-BULGARENE	Plant				--
0	FAT	Seed		242000.0	-0.12319080878817229	--
0	HUMULENE-EPOXIDE	Plant		0.2		Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
0	TRANS-CINNAMIC-ACID	Leaf Essent. Oil				--
0	BORNEOL-ACETATE	Shoot Essent. Oil		4700.0	-1.0	--
0	GAMMA-GUAIENE	Shoot Essent. Oil		42600.0		--
0	1-EPI-BICYCLOSEQUIPELLANDRENE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.