

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Ocimum basilicum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
77	ZINC	Leaf	5.0	6.0	-0.48994598747101986	USDA's Ag Handbook 8 and sequelae)
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.
0	XI-BULGARENE	Plant				--
3	XANTHOMICROL	Leaf		350.0		--
0	WATER	Leaf	771000.0	865000.0	0.28617957864078786	--
12	VICENIN-2	Leaf				--
0	VANILLIC-ACID-4-BETA-D-GLUCOSIDE	Leaf				--
3	VALINE	Leaf		7170.0	-1.5483541431568815	USDA's Ag Handbook 8 and sequelae)
9	VALERIC-ACID	Essential Oil				--
0	URSOLIC-ACID-II	Flower		1274.0		--
0	URSOLIC-ACID-II	Stem		106.0		--
0	URSOLIC-ACID-II	Leaf	413.0	1144.0		--
0	URSOLIC-ACID-II	Sprout Seedling		63.0		--
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.
0	UNDECYLALDEHYDE	Plant		0.0		--
8	TYROSINE	Leaf		4320.0	-1.0238955187502574	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
29	TRYPTOPHAN	Leaf		2210.0	-0.8173232064374916	USDA's Ag Handbook 8 and sequelae)
0	TRICYCLEN	Essential Oil				--
0	TRANS-SABINENE-HYDRATE	Plant				--
0	TRANS-SABINENE-HYDRATE	Essential Oil				--
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	TRANS-OCIMENE	Essential Oil		16100.0	-1.0567716958245414	--
0	TRANS-LINALOOL-OXIDE	Essential Oil		800.0		--
0	TRANS-CINNAMIC-ACID-METHYL-ESTER	Leaf Essent. Oil		47300.0		--
0	TRANS-CINNAMIC-ACID-METHYL-ESTER	Flower Essent. Oil				--
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	TRANS-CINNAMIC-ACID-METHYL-ESTER	Shoot Essent. Oil		126600.0		--
0	TRANS-CINNAMIC-ACID	Leaf Essent. Oil				--
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.
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	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TRANS-ALLO-OCIMENE	Plant				--
71	THYMOL	Shoot Essent. Oil		1000.0	-0.6751908682417391	--
71	THYMOL	Leaf		1415.0	0.34997957884319775	--
71	THYMOL	Essential Oil				--
4	THREONINE	Leaf		5880.0	-1.3106860880630495	USDA's Ag Handbook 8 and sequelae)
31	THIAMIN	Leaf	1.0	6.0	-0.4802995853174522	--
9	TERPINOLENE	Essential Oil		1000.0	-0.38815736668905965	--
9	TERPINOLENE	Leaf Essent. Oil		2600.0	-0.536195561668254	--
9	TERPINOLENE	Shoot Essent. Oil		400.0	-1.0	--
9	TERPINOLENE	Plant	1.0	22.0	-0.5437369745244341	--
0	TERPINENE	Leaf				--
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	TERPINEN-4-OL	Shoot Essent. Oil				--
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	--
0	TERPINEN-1-OL	Essential Oil				--
35	TANNIN	Tissue Culture				--
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.
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	T-CADINOL	Shoot Essent. Oil		71400.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	SYRINGOYL-GLUCOSE	Leaf				--
0	SYRINGIC-ACID-4-BETA-D-GLUCOSIDE	Leaf				--
7	SUCCINIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
12	STIGMASTEROL	Plant				Stitt, Paul. Why George should eat broccoli.
12	STIGMASTEROL	Leaf		180.0	1.194435720377775	--
8	STEARIC-ACID	Seed		485.0	-0.5548671871852875	--
0	SPATHULENOL	Shoot Essent. Oil		16700.0	1.0	--
1	SODIUM	Leaf	120.0	890.0	-0.4892147785607772	--
1	SODIUM	Plant	294.0	386.0	-0.28271053121447925	--
0	SESQUITHUJENE	Plant				--
0	SESQUITHUJENE	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	SERINE	Leaf		5610.0	-1.1663710510980512	USDA's Ag Handbook 8 and sequela)
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	SAMBULENE	Leaf				--
0	SALICYLIC-ACID-2-BETA-D-GLUCOSIDE	Leaf				--
29	SAFROLE	Plant	60.0	400.0	0.8497176108557255	--
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	SABINENE	Leaf Essent. Oil	2000.0	3900.0	-0.5747006667443069	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	SABINENE	Essential Oil		2500.0	-0.5783801713741707	--
5	SABINENE	Shoot Essent. Oil	3100.0	3500.0	-0.7938224515162632	--
87	RUTIN	Leaf				--
57	ROSMARINIC-ACID	Tissue Culture				--
57	ROSMARINIC-ACID	Root				--
57	ROSMARINIC-ACID	Plant	1000.0	19000.0	-0.5696167858896972	--
57	ROSMARINIC-ACID	Shoot		1300.0	-0.7944986102342779	--
15	RIBOFLAVIN	Leaf	3.0	4.0	-0.15911158075734227	--
0	QUERCETIN-GLYCOSIDE	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	QUERCETIN-3-O-DIGLUCOSIDE	Leaf				--
176	QUERCETIN	Leaf				--
0	PROTEIN	Seed		214000.0	-0.17609627257566335	--
0	PROTEIN	Leaf	33000.0	240000.0	0.28087283644332645	--
6	PROPIONIC-ACID	Essential Oil				--
0	PROLINE	Leaf		5880.0	-0.7770140055446013	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Leaf	4290.0	42900.0	0.5544414923455223	--
0	POLYSACCHARIDE	Seed				--
0	PLANTEOSE	Seed				--
2	PHYTOSTEROLS	Leaf		1060.0	-0.47114523357690347	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Leaf	380.0	5235.0	0.04848893148250219	--
0	PHENYL-ETHYL-ALCOHOL	Plant	18.0	136.0	-0.5062572440365607	--
4	PHELLANDRENE	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	PALMITIC-ACID	Seed		16940.0	-0.350073884010438	--
2	P-METHOXYCINNAMALDEHYDE	Flower Essent. Oil		40000.0		--
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.
0	P-METHOXYBENZALDEHYDE	Plant				--
16	P-CYMENE	Tissue Culture				--
16	P-CYMENE	Leaf Essent. Oil		300.0	-0.7742826608460229	--
16	P-CYMENE	Shoot Essent. Oil		300.0	-1.3971068639782231	--
16	P-CYMENE	Essential Oil		2400.0	-0.6135781849583403	--
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.
25	P-COUMARIC-ACID	Leaf		760.0	-0.150429773215176	--
4	ORIENTIN	Plant				Stitt, Paul. Why George should eat broccoli.
18	OLEIC-ACID	Seed	26620.0	36300.0	-0.6806928979897604	--
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.
64	OLEANOLIC-ACID	Flower		1300.0	-0.6357280607585934	--
0	OCTEN-1-OL-ACETATE	Shoot Essent. Oil		300.0		--
0	OCTANOL	Plant				--
0	OCTAN-1-OL-ACETATE	Shoot Essent. Oil		1700.0		--
0	OCTAN-1-OL	Shoot Essent. Oil				--
2	OCIMENE	Leaf Essent. Oil		1000.0	-1.0	--
2	OCIMENE	Essential Oil				--
6	O-METHOXYCINNAMALDEHYDE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	NONANAL	Plant				--
39	NIACIN	Leaf	8.0	69.0	-0.34667165096151836	--
11	NEROLIDOL	Essential Oil				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
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.
11	NEROLIDOL	Shoot Essent. Oil		4700.0		--
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	NEROLIDIOL	Essential Oil				--
0	NEROL-ACETATE	Shoot Essent. Oil		2500.0		--
10	NEROL	Shoot Essent. Oil		700.0		--
10	NEROL	Essential Oil		30000.0	-0.586310919290707	--
10	NEROL	Plant	2.5	300.0	-0.24843221504215574	--
4	NERAL	Leaf Essent. Oil		1000.0	-1.0	--
4	NERAL	Shoot Essent. Oil		2000.0		--
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.
0	MYRCENOL	Essential Oil				--
22	MYRCENE	Plant	2.0	80.0	-0.3882101667097782	--
22	MYRCENE	Leaf Essent. Oil	1000.0	8600.0	-0.3333131413210551	--
22	MYRCENE	Shoot Essent. Oil	2600.0	18000.0	-0.40439631676723714	--
22	MYRCENE	Essential Oil		1300.0	-0.4270241436912702	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
22	MYRCENE	Leaf	2.0	80.0	-0.14380734093480035	--
3	MUCILAGE	Seed		93000.0	-0.6574211348716195	--
3	MUCILAGE	Seed Oil				--
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.
15	METHYL-ISOEUGENOL	Plant				--
20	METHYL-EUGENOL	Plant	13.0	1400.0	0.9663911485584473	--
5	METHYL-CINNAMATE	Plant	1.0	2800.0		--
6	METHYL-CHAVICOL	Plant	238.0	8780.0	0.8345194128913528	--
15	METHIONINE	Leaf		2020.0	-0.8867496430331252	USDA's Ag Handbook 8 and sequelae)
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.
30	MENTHONE	Essential Oil				--
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.
14	MANGANESE	Leaf		32.0	-0.40668721364691	USDA's Ag Handbook 8 and sequelae)
65	MAGNESIUM	Leaf	4100.0	4340.0	0.08273170384575512	USDA's Ag Handbook 8 and sequelae)
4	LYSINE	Leaf		6180.0	-1.5226687945679613	USDA's Ag Handbook 8 and sequelae)
78	LUTEOLIN	Plant				Stitt, Paul. Why George should eat broccoli.
0	LINOLENIC-ACID	Seed	50820.0	121000.0	1.5324980081440946	--
27	LINOLEIC-ACID	Seed	53240.0	145200.0	0.32625439958347807	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
0	LINALOOL-ACETATE	Shoot Essent. Oil		2400.0		--
0	LINALOOL-ACETATE	Leaf Essent. Oil		6000.0	-1.108269136137348	--
0	LINALOOL-ACETATE	Essential Oil				--
53	LINALOOL	Shoot Essent. Oil	49500.0	177100.0	0.31770222209079224	--
53	LINALOOL	Flower Essent. Oil		416000.0		--
53	LINALOOL	Plant	5.0	8730.0	0.5167217771424646	--
53	LINALOOL	Essential Oil	10.0	630000.0	2.241643366280597	--
53	LINALOOL	Leaf Essent. Oil	14000.0	593000.0	3.0590616231923224	--
53	LINALOOL	Leaf				--
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	LINALOL	Plant	5.0	8730.0	1.541392799837111	--
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	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	Essential Oil	3100.0	77600.0	-0.2904096059080155	--
60	LIMONENE	Shoot Essent. Oil		7100.0	-0.8611251092370704	--
2	LEUCINE	Leaf		10780.0	-0.8829732628709146	USDA's Ag Handbook 8 and sequelae)
0	LEDENE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	KILOCALORIES	Plant	430.0	3280.0	-0.019226817903195786	--
0	KAEMPFEROL-GLYCOSIDE	Leaf				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	KAEMPFEROL-3-O-BETA-D-RUTINOSIDE	Leaf				--
75	KAEMPFEROL	Leaf				--
0	JUVOCIMENE-II	Essential Oil		5.0		--
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	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	JUVOCIMENE-I	Essential Oil		5.0		--
22	ISOQUERCITRIN	Leaf				--
3	ISOLEUCINE	Leaf		5880.0	-1.5930724298495411	USDA's Ag Handbook 8 and sequelae)
0	ISOEUGENOL-METHYL-ETHER	Plant				Stitt, Paul. Why George should eat broccoli.
16	ISOEUGENOL	Plant	8.0	95.0		--
1	ISOCARYOPHYLLENE	Plant				--
6	IRON	Leaf	48.0	478.0	0.2910263957706515	--
0	HYDROXY-BENZOIC-ACID-4-BETA-D-GLUCOSIDE	Leaf				--
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.

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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.
2	HUMULENE	Essential Oil				--
7	HISTIDINE	Leaf		2870.0	-1.2578053845584176	USDA's Ag Handbook 8 and sequelae)
0	HEXAN-1-AL	Shoot Essent. Oil				--
0	HEXAHYDROFARNESYL-ACETONE	Shoot Essent. Oil		4400.0		--
0	HEX-CIS-3-EN-1-OL-ACETATE	Essential Oil		500.0		--
0	HEX-CIS-3-EN-1-OL-ACETATE	Shoot Essent. Oil				--
0	HEX-CIS-2-EN-1-OL-BUTYRATE	Shoot Essent. Oil		500.0		--
12	GLYCINE	Leaf		6900.0	-0.9337878392435092	USDA's Ag Handbook 8 and sequelae)
8	GLUTAMIC-ACID	Leaf		15650.0	-1.204342874821576	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.
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	GERMACRENE-D	Shoot Essent. Oil	13600.0	36200.0	-1.277169083049922	--
2	GERMACRENE-D	Leaf Essent. Oil		11100.0	-0.6029429234203527	--
0	GERMACRENE-A	Shoot Essent. Oil		1500.0		--
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.
0	GERANIOL-ACETATE	Essential Oil				--
0	GERANIOL-ACETATE	Leaf Essent. Oil		5000.0	-1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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	GERANIOL	Shoot Essent. Oil	1100.0	3900.0		--
35	GERANIOL	Essential Oil		100000.0	0.4011550201900289	--
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	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	GERANIAL	Leaf Essent. Oil		2000.0	-1.0	--
13	GERANIAL	Shoot Essent. Oil		2100.0		--
11	GAMMA-TERPINENE	Leaf Essent. Oil	2000.0	14900.0	-0.5298384190634473	--
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.
0	GAMMA-MUUROLENE	Essential Oil				--
0	GAMMA-MUUROLENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	GAMMA-GURJUNENE	Plant				--
0	GAMMA-GUAIENE	Shoot Essent. Oil		42600.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	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	GAMMA-ELEMENE	Shoot Essent. Oil	5800.0	16200.0	1.0	--
0	GAMMA-CADINENE	Essential Oil				--
0	GAMMA-CADINENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	GAMMA-CADINENE	Leaf Essent. Oil		22800.0	1.411528302781677	--
6	FURFURAL	Plant				--
0	FLAVONOIDS	Plant				--
15	FIBER	Leaf	145790.0	154290.0	-0.08959174734898213	--
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	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.
0	FENCHYL-ACETATE	Plant	1.0	60.0		--
6	FENCHONE	Shoot Essent. Oil		12900.0		--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
0	FAT	Leaf	12000.0	89000.0	0.6483756218635724	--
0	FAT	Seed		242000.0	-0.12319080878817229	--
17	FARNESOL	Plant				--
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	Leaf Essent. Oil		378000.0	1.0	--
5	EUGENOL-METHYL-ETHER	Shoot Essent. Oil	2000.0	8200.0		--
5	EUGENOL-METHYL-ETHER	Essential Oil		26800.0	0.04687758407501351	--
76	EUGENOL	Plant		14.0	-0.6109651056315911	--
76	EUGENOL	Leaf	14.0	8575.0	0.19127842889726174	--
76	EUGENOL	Leaf Essent. Oil	51200.0	270000.0	-0.30638029986732646	--
76	EUGENOL	Shoot Essent. Oil	5700.0	26700.0		--
76	EUGENOL	Essential Oil	300.0	857500.0	1.714831728119204	--
12	ESTRAGOLE	Shoot Essent. Oil				--
12	ESTRAGOLE	Flower Essent. Oil				--
12	ESTRAGOLE	Leaf				--
12	ESTRAGOLE	Leaf Essent. Oil	7500.0	900000.0	1.0365049414283074	--
12	ESTRAGOLE	Essential Oil	300.0	872100.0	0.7157318089649249	--
12	ESTRAGOLE	Plant	35.0	9000.0	-0.6985578481954239	--
29	ESCULIN	Leaf				--
30	ESCULETIN	Leaf				Plantes Medicinales et Phytotherapie, 24: 193.
0	ERIODICTYOL-7-O-GLUCOSIDE	Leaf				Plantes Medicinales et Phytotherapie, 24: 193.
0	ERIODICTYOL-7-O-BETA-D-GLUCOSIDE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
10	ERIODICTYOL	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	EO	Shoot				--
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.
2	ELEMOL	Essential Oil				--
0	DELTA-GUAIENE	Plant				--
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	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	--
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	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	D-LINALOOL	Plant	125.0	1375.0	-0.38805231936457235	--
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
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	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	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.
2	CYSTINE	Leaf		1590.0	-1.117533773233964	USDA's Ag Handbook 8 and sequelae)
0	CYCLOSATIVENE	Plant				--
0	CYCLOHEXANONE	Essential Oil				--
0	CYCLOHEXANOL	Essential Oil				--
12	COPPER	Leaf		14.0	-0.3758429396758034	USDA's Ag Handbook 8 and sequelae)
1	COPAENE	Essential Oil		1400.0	-0.8722389827292886	--
15	CITRONELLOL	Essential Oil	80000.0	241900.0	1.7378875538585694	--
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.
53	CITRAL	Essential Oil		700000.0	1.6605158904602735	--
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.
0	CIS-SABINENE-HYDRATE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
0	CIS-LINALOOL-OXIDE	Essential Oil		800.0		--
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	CIS-LIMONENE	Essential Oil		93300.0		--
0	CIS-GERANYL-ACETONE	Shoot Essent. Oil		1400.0		--
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	CIS-CINNAMIC-ACID-METHYL-ESTER	Shoot Essent. Oil		14500.0		--
0	CIS-CINNAMIC-ACID-METHYL-ESTER	Flower Essent. Oil				--
1	CIS-ANETHOLE	Plant				--
0	CIS-ALLO-OCIMENE	Plant				--
1	CIS-3-HEXENOL	Plant				--
0	CINNAMIC-ACID-METHYL-ESTER	Leaf				--
0	CINNAMIC-ACID-METHYL-ESTER	Leaf Essent. Oil	45200.0	538000.0		--
0	CINNAMIC-ACID-METHYL-ESTER	Essential Oil				--
0	CHAVICOL-METHYL-ETHER	Plant	500.0	5658.0		--
0	CHAVICOL-METHYL-ESTER	Essential Oil		22400.0		--
0	CHAVICOL-METHYL-ESTER	Shoot Essent. Oil		667500.0		--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
8	CARYOPHYLLENE-OXIDE	Essential Oil				--
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.
19	CARVONE	Plant				Stitt, Paul. Why George should eat broccoli.
19	CARVONE	Shoot Essent. Oil		16000.0	-0.6664162971220318	--
37	CARVACROL	Plant				--
37	CARVACROL	Shoot Essent. Oil		6800.0	-0.7212680383887677	--
0	CARBOHYDRATES	Leaf	70000.0	610000.0	-0.014709687051073339	--
0	CARBOHYDRATE	Leaf	70000.0	652000.0	0.15153471586389045	--
1	CAPROIC-ACID	Essential Oil				--
41	CAMPHOR	Shoot Essent. Oil		4500.0	-1.0	--
41	CAMPHOR	Leaf Essent. Oil		10000.0	-0.7795867266952746	--
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.
9	CAMPHENE	Essential Oil		900.0	-0.666936586225485	--
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	CAMPHENE	Shoot Essent. Oil		500.0	-0.8123496252026575	--
9	CAMPHENE	Leaf Essent. Oil	300.0	900.0	-0.8450720560025149	--
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.)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	CALCIUM	Leaf	3200.0	23700.0	0.35959605461482125	--
0	CALAMENENE	Shoot Essent. Oil		600.0		--
0	CALAMENE	Plant				--
0	CAFFEIC-ACID-N-BUTYL-ESTER	Leaf		252.0		--
102	CAFFEIC-ACID	Leaf		19100.0	1.933822416683755	--
102	CAFFEIC-ACID	Tissue Culture				--
6	BUTYRIC-ACID	Essential Oil				--
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).
0	BORNEOL-ACETATE	Shoot Essent. Oil		4700.0	-1.0	--
0	BORNEOL-ACETATE	Leaf Essent. Oil	10000.0	14400.0	-0.46886953625320477	--
0	BORNEOL-ACETATE	Essential Oil	5200.0	90000.0	0.2007529553084246	--
0	BORNEOL-ACETATE	Plant	90.0	900.0		--
35	BORNEOL	Essential Oil		1200.0	-0.9038697263749434	--
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	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	BORNEOL	Shoot Essent. Oil		1200.0	-0.7871147430282157	--
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.
5	BETA-THUJONE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BETA-TERPINENE	Leaf Essent. Oil		28000.0		--
47	BETA-SITOSTEROL	Stem		845.0	0.24120717836480773	--
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	--
47	BETA-SITOSTEROL	Seed		527.0	-0.4287473793704042	--
3	BETA-SELINENE	Plant				--
2	BETA-SANTALENE	Essential Oil				--
13	BETA-PINENE	Essential Oil	5500.0	16000.0	-0.37511613864599774	--
13	BETA-PINENE	Shoot Essent. Oil	8200.0	9300.0	1.1230823071409943	--
13	BETA-PINENE	Plant	3.0	160.0	-0.2627291295986692	--
13	BETA-PINENE	Leaf Essent. Oil	7300.0	2000.0	-0.9267593911993299	--
0	BETA-OCIMENE	Shoot Essent. Oil				--
0	BETA-OCIMENE	Plant	1.0	435.0		--
2	BETA-MYRCENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	BETA-MYRCENE	Essential Oil				--
13	BETA-IONONE	Shoot Essent. Oil		1600.0		--
13	BETA-EUDESOL	Shoot Essent. Oil		3000.0	-1.0	--
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	BETA-ELEMENE	Shoot Essent. Oil	4900.0	81600.0	1.4135003647459183	--
5	BETA-ELEMENE	Essential Oil		16100.0	-0.9072086362241611	--
3	BETA-DAMASCENONE	Shoot Essent. Oil		1700.0		--

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	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	BETA-CUBEBENE	Plant				--
0	BETA-CUBEBENE	Shoot Essent. Oil		3700.0		--
0	BETA-CEDRENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	BETA-CARYOPHYLLENE	Shoot Essent. Oil	2300.0	13900.0	-1.1154717314686748	--
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	BETA-CARYOPHYLLENE	Essential Oil	6800.0	37700.0	-0.423331277266507	--
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	BETA-CARYOPHYLLENE	Leaf Essent. Oil		70000.0	0.01096743109356414	--
53	BETA-CAROTENE	Leaf	4.0	333.0	0.31225803965642646	--
0	BETA-CADINOL	Essential Oil				--
0	BETA-CADINENE	Plant				--
0	BETA-BOURBONENE	Shoot Essent. Oil		3800.0	-1.183040531089796	--
0	BETA-BOURBONENE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	BETA-BISABOLENE	Shoot Essent. Oil		2600.0	1.0	--
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.
9	BENZYL-ALCOHOL	Essential Oil				--
9	BENZYL-ACETATE	Leaf	17.0	163.0		--
24	BENZALDEHYDE	Essential Oil		700.0	-0.6916241263883828	--
3	ASPARTIC-ACID	Leaf		16960.0	-0.6357584583519637	USDA's Ag Handbook 8 and sequelae)
0	ASH	Plant	20000.0	153000.0	0.5778841665437804	--
112	ASCORBIC-ACID	Leaf	27.0	2000.0	-0.25834558219747267	--
14	ARGININE	Leaf		6620.0	-0.863646085190795	USDA's Ag Handbook 8 and sequelae)
101	APIGENIN	Plant				Stitt, Paul. Why George should eat broccoli.
30	ANTHOCYANINS	Leaf				--
36	ANETHOLE	Essential Oil				--
36	ANETHOLE	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
6	ALPHA-THUJONE	Plant				--
0	ALPHA-TERPINYL-ACETATE	Plant				--
0	ALPHA-TERPINEOL ACETATE	Leaf Essent. Oil		45100.0	0.3967976763338348	--
23	ALPHA-TERPINEOL	Shoot Essent. Oil		9600.0	1.3997084244475302	--
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	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.
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	ALPHA-TERPINENE	Shoot Essent. Oil		300.0	-0.9635029368323148	--
13	ALPHA-TERPINENE	Essential Oil		400.0	-0.766355883758014	--
3	ALPHA-SELINENE	Plant				--
0	ALPHA-SANTALENE	Essential Oil				--
28	ALPHA-PINENE	Shoot Essent. Oil	4600.0	7200.0	-0.46017762363908365	--
28	ALPHA-PINENE	Leaf Essent. Oil	3700.0	13000.0	-0.6816393866518402	--
28	ALPHA-PINENE	Plant	2.0	180.0	-0.35409162350207984	--
28	ALPHA-PINENE	Essential Oil	300.0	18000.0	-0.4016792923021472	--
0	ALPHA-P-DIMETHYL-STYRENE	Plant				--
0	ALPHA-MUUROLENE	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	ALPHA-HUMULENE	Shoot Essent. Oil	6700.0	11800.0	0.818288975563984	--
2	ALPHA-HUMULENE	Essential Oil		31300.0	-0.1980459026032663	--
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	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALPHA-GUAIENE	Shoot Essent. Oil		1300.0		--
0	ALPHA-GUAIENE	Plant				--
0	ALPHA-FENCHYL-ALCOHOL	Shoot Essent. Oil		2800.0		--
0	ALPHA-FENCHONE	Shoot Essent. Oil		1300.0		--
0	ALPHA-FENCHENE	Essential Oil				--
0	ALPHA-FARNESENE	Plant				--
0	ALPHA-CUBEBENE	Plant				--
0	ALPHA-CUBEBENE	Shoot Essent. Oil		2800.0		--
0	ALPHA-CUBEBENE	Essential Oil		1200.0	-0.7318222037940755	--
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	ALPHA-COPAENE	Plant	0.8	20.0	-0.43857493345252835	--
0	ALPHA-COPAENE	Shoot Essent. Oil	300.0	3600.0	-1.0	--
3	ALPHA-CEDRENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
3	ALPHA-CEDRENE	Essential Oil				--
0	ALPHA-CARYOPHYLLENE	Shoot Essent. Oil				--
0	ALPHA-CADINENE	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
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	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALPHA-BULNESENE	Shoot Essent. Oil		2600.0		--
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				--
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	ALPHA-BISABOLENE	Shoot Essent. Oil		36000.0		--
0	ALPHA-BERGAMOTENE	Essential Oil				--
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	ALPHA-AMORPHENE	Essential Oil				--
0	ALPHA-AMORPHENE	Plant				--
3	ALANINE	Leaf		7470.0	-1.1923060818343414	USDA's Ag Handbook 8 and sequelae)
3	AESCULOSIDE	Flower				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
33	AESCULIN	Leaf				--
32	AESCULETIN	Leaf				--
16	ACETIC-ACID	Essential Oil				--
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.

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	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	3-OCTANONE	Plant				--
0	3-METHYL-BUTAN-1-AL	Shoot Essent. Oil		100.0		--
0	2-ETHYL-FURAN	Shoot Essent. Oil		100.0		--
0	2-EPI-ALPHA-CEDRENE	Plant				--
0	1-OCTEN-3-OL	Plant				--
0	1-EPI-BICYCLOSESQUIPELLANDRENE	Essential Oil				--
0	1-EPI-BICYCLOSESQUIPELLANDRENE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	1-EPI-BICYCLOSESQUIPELLANDRENE	Leaf Essent. Oil				--
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.
0	1,8-CINEOL	Leaf Essent. Oil	5000.0	100000.0	-0.19227395568102532	--
0	1,8-CINEOL	Essential Oil	33700.0	77600.0	-0.1052841403773199	--
0	1,8-CINEOL	Leaf				--
0	1,8-CINEOL	Flower Essent. Oil				--
0	1,8-CINEOL	Shoot Essent. Oil		54400.0	-0.5387121307211548	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	(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	(E)-BETA-OCIMENE	Plant	1.0	435.0	2.2262230322078222	--
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	(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	(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	(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	(-)-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	(-)-LINALOOL	Leaf Essent. Oil		20000.0		--
0	(-)-CEDRENOL	Shoot Essent. Oil				--