

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Gossypium* sp

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	PALMITIC-ACID	Plant	31840.0	48438.0	2.024129383210386	--
8	INOSITOL	Seed		3400.0	1.6636073118205197	--
0	MAGNESIUM-OXIDE	Seed	4400.0	5600.0	1.0	--
0	SULFUR-OXIDE	Seed	1700.0	2800.0	1.0	--
0	SODIUM-OXIDE	Seed	500.0	1400.0	1.0	--
15	FIBER	Seed	167500.0	243700.0	0.8600602188422826	--
31	CARYOPHYLLENE	Essential Oil		75100.0	0.6422698981824196	--
15	FOLACIN	Seed		3.8	0.49637113055636106	--
0	SUGARS	Seed		72900.0	0.4543083271707245	--
0	CARBOHYDRATES	Seed	500000.0	555000.0	0.12557569570794117	--
7	CHLORINE	Seed	200.0	400.0	0.08178419107182786	--
27	LINOLEIC-ACID	Seed	72480.0	104328.0	-0.02394095412241228	--
0	ASH	Seed	34100.0	47000.0	-0.026471732281051027	--
6	MYRISTIC-ACID	Seed	2240.0	6830.0	-0.20659261074309973	--
2	ALPHA-HUMULENE	Essential Oil		25400.0	-0.25140959553256953	--
5	PHYLLOQUINONE	Seed Oil		0.6	-0.2826430410090349	Booth, S. L., Suttie, J. W. 1998. Dietary intake and adequacy of vitamin K. J. Nutrition, 128(5): 785-788.
0	FAT	Seed	160000.0	207000.0	-0.30754832825987627	--
0	PROTEIN	Seed	144400.0	197800.0	-0.3202036621999153	--
54	GOSSYPOL	Seed	50.0	2500.0	-0.3493159623423572	--
0	ARACHIDIC-ACID	Seed	960.0	2690.0	-0.3924700356388237	--
8	STEARIC-ACID	Seed	1760.0	5589.0	-0.4441277188443824	--
0	CALCIUM-OXIDE	Seed	2400.0	4400.0	-0.44851350323732336	--
15	RIBOFLAVIN	Seed		2.3	-0.4691862447813127	--
18	OLEIC-ACID	Seed	36640.0	61270.0	-0.47542483693192145	--
1	COPAENE	Essential Oil		2400.0	-0.5279341211256221	--
4	BIOTIN	Seed		0.3	-0.5310849503657444	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	WATER	Seed	67700.0	87700.0	-0.5368818995918845	--
11	PANTOTHENIC-ACID	Seed		11.0	-0.6015458286550688	--
39	NIACIN	Seed		16.0	-0.8048100092621951	--
31	THIAMIN	Seed		3.2	-0.8074004182040649	--
4	CADINENE	Essential Oil		2400.0	-0.889981483483212	--
1	CELLULOSE	Seed		21500.0	-0.9565386633127568	--
0	POTASSIUM-OXIDE	Seed	9400.0	10700.0	-1.0	--
43	PYRIDOXINE	Seed		0.9	-1.1772040233700278	--
35	TANNIN	Stem		17700.0	-1.3573651317646305	--
0	PECTINS	Seed		4100.0	-1.3970013970020958	--
0	CERYL-ALCOHOL	Root				--
21	(-)-EPIGALLOCATECHIN	Stem		40.0		--
0	GUAIENE	Essential Oil		10200.0		--
3	BETA-PHELLANDRENE	Plant				--
0	TOCOPHEROLS	Oil		900.0		--
0	DOTRIACONTANOL	Leaf				--
0	CEROTINIC-ACID	Flower				--
0	(-)-CATECHIN	Stem		40.0		--
6	QUERCIMERITRIN	Flower				--
0	GOSSYPURPURIN	Seed				--
9	BETA-AMYRIN	Plant				--
1	RAFFINOSE	Seed				--
25	P-COUMARIC-ACID	Plant				--
9	DELPHINIDIN	Plant				--
8	LACTIC-ACID	Seed				--
0	(-)-CARYOPHYLLENE	Essential Oil		75100.0		--
0	QUERCETIN-3-SOPHOROSIDE	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	D-BETA-BISABOLOL	Plant				--
2	L-LIMONENE	Plant				--
0	CARYOPHYLLENEPOXIDE	Plant				--
2	QUERCETIN-3'-GLUCOSIDE	Flower				--
54	GOSSYPOL	Oil	500.0	7000.0		--
6	OCTACOSANOL	Plant				--
7	CYCLOARTENOL	Flower				--
75	KAEMPFEROL	Flower				--
0	GALLOCATECHIN	Stem		40.0		--
176	QUERCETIN	Plant				--
0	GOSSYFULVIN	Seed				--
0	ALUMINUM-OXIDE	Seed	100.0	600.0		--
2	OCIMENE	Plant				--
7	CYANIDIN	Plant				--
22	ISOQUERCITRIN	Flower				--
6	EPIGALLOCATECHIN	Stem		40.0		--
0	GOSSYCAERULIN	Seed				--
28	ALPHA-PINENE	Plant				--
0	NICOTIFLORIN	Plant				--
0	ISOASTRAGALIN	Plant				--
43	CATECHIN	Stem		40.0		--
11	ALPHA-PHELLANDRENE	Plant				--
0	CIS-GAMMA-BISABOLOL	Essential Oil				--
0	IRON-OXIDES	Seed	200.0	300.0		--
0	BISABOLENEOXIDE	Plant				--
0	SILICON-OXIDE	Seed	1200.0	3900.0		--
0	CHRYSANTHEMIN	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	HIRSUTRIN	Flower				--
9	CAMPHENE	Plant				--
0	1-TRANS-ALPHA-BERGAMOTENE	Essential Oil		3300.0		--
26	SEROTONIN	Fruit				--
0	PHOSPHORUS-OXIDES	Seed	10300.0	13300.0		--
22	MYRCENE	Plant				--
20	CHOLINE	Seed				--
0	HEXATRIACONTANE	Leaf				--
14	BETAINE	Seed				--
2	FARNESENE	Essential Oil		300.0		--
34	SALICYLIC-ACID	Root				--
0	MANGANESE-OXIDE	Seed	300.0	400.0		--
0	HERBACITRIN	Flower				--
47	BETA-SITOSTEROL	Seed				--
3	TRIACONTANOL	Leaf				--
5	ERGOSTEROL	Seed				--
87	RUTIN	Plant				--