

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Cocos nucifera*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SFA	Seed	296980.0	560235.0	4.92625755934881	USDA's Ag Handbook 8 and sequelae)
7	LAURIC-ACID	Seed	25754.0	431400.0	3.356450956978854	--
0	TUNGSTEN	Seed		0.3	2.89737971498178	Furr, A.K., et al. 1979
14	MANGANESE	Seed	9.0	281.0	2.833645212569222	--
3	CAPRIC-ACID	Seed	2628.0	69743.0	2.633904573975057	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	FAT	Seed	58400.0	719000.0	2.3893388137261935	--
5	CAPRYLIC-ACID	Seed	3154.0	68305.0	1.9870944275459317	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	KILOCALORIES	Seed	2960.0	7050.0	1.714930755646975	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
12	COPPER	Seed	3.2	33.0	1.6495159701011972	--
0	EUROPIUM	Seed		0.1	1.4740366676721104	Furr, A.K., et al. 1979
6	MYRISTIC-ACID	Seed	7650.0	133015.0	1.4452781690520207	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	FLUORINE	Seed		2.7	1.3555425831264722	Furr, A.K., et al. 1979
7	CHLORINE	Seed		1007.0	1.3276510863378361	Furr, A.K., et al. 1979
0	WATER	Seed	363000.0	546000.0	1.2218063723076176	--
3	DECANOIC-ACID	Seed	4100.0	50330.0	1.0	--
0	SCYLLITOL	Leaf		3200.0	1.0	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	LIGNIN	Hull Husk		294000.0	1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
13	PALMITIC-ACID	Seed	4380.0	75495.0	0.858105760546874	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	SODIUM	Seed	145.0	626.0	0.2780073375488779	--
8	STEARIC-ACID	Seed	584.0	32710.0	0.14430588634246846	--
0	LUTETIUM	Seed		0.01	0.06665021185544043	Furr, A.K., et al. 1979
0	RUBIDIUM	Seed		16.0	-0.02826125946521563	Furr, A.K., et al. 1979
14	POTASSIUM	Seed	2560.0	11491.0	-0.09489587073970547	--
1	MERCURY	Seed		0.1	-0.12385851994600533	Furr, A.K., et al. 1979
15	FIBER	Seed	30000.0	115000.0	-0.15617696206043077	--
0	LANTHANUM	Seed		0.03	-0.1663780661615404	Furr, A.K., et al. 1979
0	ANTIMONY	Seed		0.1	-0.16686477174992723	Furr, A.K., et al. 1979
2	COBALT	Seed		0.2	-0.19726970453812753	Furr, A.K., et al. 1979
12	IODINE	Seed		0.3	-0.2504859725466935	Furr, A.K., et al. 1979
60	SELENIUM	Seed		0.02	-0.2635767939811563	Furr, A.K., et al. 1979
0	BARIUM	Seed		0.1	-0.27939450847576075	Furr, A.K., et al. 1979
0	YTTERBIUM	Seed		0.1	-0.2826900050957917	Furr, A.K., et al. 1979
112	ASCORBIC-ACID	Seed	20.0	88.0	-0.2856259499860121	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
7	SALICYLATES	Seed	2.0	3.0	-0.32408179774656004	--
0	SAMARIUM	Seed		0.04	-0.3314596066672648	Furr, A.K., et al. 1979
3	CADMIUM	Seed		0.03	-0.33359741952043553	Furr, A.K., et al. 1979
0	CESIUM	Seed		0.1	-0.3427209689454117	Furr, A.K., et al. 1979
1	CAPROIC-ACID	Seed	117.0	3600.0	-0.34501465200156417	--
5	ALUMINUM	Seed		7.2	-0.3516653417103102	--
0	BROMINE	Seed		4.0	-0.36819583850065973	Furr, A.K., et al. 1979
2	CAMPESTEROL	Fruit		30.0	-0.4046460894399287	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
2	PHYTOSTEROLS	Seed	470.0	885.0	-0.40781205023024353	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
47	BETA-SITOSTEROL	Fruit		270.0	-0.43949317582642705	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
4	TIN	Seed		1.5	-0.442152019568875	Furr, A.K., et al. 1979
0	TITANIUM	Seed		5.6	-0.45186158232568946	Furr, A.K., et al. 1979
6	IRON	Seed	20.0	50.0	-0.4683156382183686	--
18	OLEIC-ACID	Seed	2920.0	58958.0	-0.4944308344155307	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	LEAD	Seed		0.7	-0.5037706810794316	Furr, A.K., et al. 1979
3	NICKEL	Seed		2.1	-0.5073146937660691	Furr, A.K., et al. 1979
77	ZINC	Seed	9.0	25.0	-0.5715529290009757	--
4	SILICON	Seed		370.0	-0.5747786449558462	Furr, A.K., et al. 1979
16	VANADIUM	Seed		0.004	-0.5871182787387549	Furr, A.K., et al. 1979
13	MUFA	Seed	14250.0	26880.0	-0.5971507316122795	USDA's Ag Handbook 8 and sequelae)
4	PUFA	Seed	3660.0	26880.0	-0.601249593588963	USDA's Ag Handbook 8 and sequelae)
14	ARGININE	Seed	5460.0	10300.0	-0.6072249141458423	USDA's Ag Handbook 8 and sequelae)
2	ARSENIC	Seed		0.02	-0.6237689826185465	Furr, A.K., et al. 1979
0	SCANDIUM	Seed		0.002	-0.6367962615099008	Furr, A.K., et al. 1979
24	CHROMIUM	Seed		0.2	-0.6533762381344975	Furr, A.K., et al. 1979
14	SULFUR	Seed	440.0	1370.0	-0.6588697590248107	--
32	ALPHA-TOCOPHEROL	Oil		18.0	-0.6737505559360731	--
28	CALCIUM	Seed	71.0	476.0	-0.6741015491289437	--
32	ALPHA-TOCOPHEROL	Seed	7.0	13.0	-0.6896654823517182	--
0	STRONTIUM	Seed		2.8	-0.751622808700869	Furr, A.K., et al. 1979
27	LINOLEIC-ACID	Seed	584.0	18694.0	-0.7576615677270858	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CARBOHYDRATES	Seed	94000.0	331000.0	-0.7646455579586512	--
0	ASH	Seed	9000.0	22000.0	-0.7784124813877332	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Seed	830.0	2400.0	-0.7804502800829126	--
15	METHIONINE	Seed	620.0	1170.0	-0.8120468095481715	USDA's Ag Handbook 8 and sequelae)
2	MOLYBDENUM	Seed		0.03	-0.8557155877274645	Furr, A.K., et al. 1979
65	MAGNESIUM	Seed	300.0	770.0	-0.8597643812861001	Furr, A.K., et al. 1979
29	TRYPTOPHAN	Seed	390.0	735.0	-0.8833088946354036	USDA's Ag Handbook 8 and sequelae)
4	BORON	Seed	3.0	5.2	-0.8970628189505873	--
39	NIACIN	Seed	5.0	10.0	-0.9844146803254511	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
7	PHENYLALANINE	Seed	1690.0	3190.0	-0.9971896280936104	USDA's Ag Handbook 8 and sequelae)
0	CALCIUM-OXIDE	Leaf		2700.0	-1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	PENTOSANS	Hull Husk		277000.0	-1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	GALACTOMANNAN	Seed		16000.0	-1.0	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	WATER	Hull Husk		80000.0	-1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
3	VALINE	Seed	2020.0	3810.0	-1.0100996922183336	USDA's Ag Handbook 8 and sequelae)
3	ISOLEUCINE	Seed	1310.0	2470.0	-1.0235626374582578	USDA's Ag Handbook 8 and sequelae)
15	RIBOFLAVIN	Seed	0.2	0.7	-1.0823929498985099	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	PHYLLOQUINONE	Oil		0.005	-1.0944932984058764	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	CELLULOSE	Hull Husk		266000.0	-1.1355499479153377	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
12	GLYCINE	Seed	1580.0	2980.0	-1.1526395672471974	USDA's Ag Handbook 8 and sequelae)
8	GLUTAMIC-ACID	Seed	7610.0	14355.0	-1.154267228968401	USDA's Ag Handbook 8 and sequelae)
2	LEUCINE	Seed	2470.0	4660.0	-1.1889665424024416	USDA's Ag Handbook 8 and sequelae)
7	HISTIDINE	Seed	770.0	1455.0	-1.2412650733514448	USDA's Ag Handbook 8 and sequelae)
4	LYSINE	Seed	1470.0	2775.0	-1.2629328431370264	USDA's Ag Handbook 8 and sequelae)
0	PHYTATE	Seed	2300.0	2370.0	-1.2776088102133165	--
4	THREONINE	Seed	1210.0	2285.0	-1.3091612941527981	USDA's Ag Handbook 8 and sequelae)
2	CYSTINE	Seed	660.0	1245.0	-1.3252475351434945	USDA's Ag Handbook 8 and sequelae)
31	THIAMIN	Seed	0.3	1.0	-1.3322834288131225	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	TYROSINE	Seed	1030.0	1945.0	-1.3427005948815731	USDA's Ag Handbook 8 and sequelae)
0	PROTEIN	Seed	32000.0	77000.0	-1.3947822218671768	--
1	SERINE	Seed	1720.0	3245.0	-1.4046655429596806	USDA's Ag Handbook 8 and sequelae)
3	ASPARTIC-ACID	Seed	3250.0	6130.0	-1.4611540528862226	USDA's Ag Handbook 8 and sequelae)
3	ALANINE	Seed	1700.0	3205.0	-1.4776910288536462	USDA's Ag Handbook 8 and sequelae)
0	PROLINE	Seed	1380.0	2605.0	-1.7152581345146969	USDA's Ag Handbook 8 and sequelae)
0	WATER	Leaf		84500.0	-3.6077208272203345	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
3	ISOLEUCINE	Endosperm				Jim Duke's personal files.
0	MANNAN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	N-EICOSANE	Seed Oil				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	VIT-E	Seed		2.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	RAFFINOSE	Resin, Exudate, Sap		900.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	N-TRIACONTANE	Seed Oil				Jim Duke's personal files.
0	BUTANE-2,3-DIONE	Endosperm				Jim Duke's personal files.
1	RAFFINOSE	Root				Jim Duke's personal files.
12	GLYCINE	Leaf				Jim Duke's personal files.
0	L-RHAMNOSE	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	N-OCTACOSANE	Seed Oil				Jim Duke's personal files.
25	P-COUMARIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	ALANINE	Endosperm				Jim Duke's personal files.
2	LEUCINE	Leaf				Jim Duke's personal files.
0	N-DOTRIACONTANE	Seed Oil				Jim Duke's personal files.
28	VANILLIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	QUINIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
32	ALPHA-TOCOPHEROL	Seed Oil				Jim Duke's personal files.
0	BUTANE-2,3-DIOL	Endosperm				Jim Duke's personal files.
0	TANTALUM	Plant				--
0	2,3,5-TRIMETHYLPYRAZINE	Endosperm				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
12	GLYCINE	Endosperm				Jim Duke's personal files.
0	N-NONADECANE	Seed Oil				Jim Duke's personal files.
61	FERULIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ACETOIN	Endosperm				Jim Duke's personal files.
7	LAURIC-ACID	Endosperm				Jim Duke's personal files.
15	MALIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	DELTA-DODECALACTONE	Endosperm				Jim Duke's personal files.
24	VANILLIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	THREONINE	Leaf				Jim Duke's personal files.
3	ASPARTIC-ACID	Leaf				Jim Duke's personal files.
6	SYRINGIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-(3-METHYL-BUT-2-ENYL-AMINO)-PURIN-6-ONE	Juice				Jim Duke's personal files.
8	GLUTAMIC-ACID	Leaf				Jim Duke's personal files.
1	N-NONACOSANE	Seed Oil				Jim Duke's personal files.
0	NITROGEN	Hull Husk		1100.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
7	SUCCINIC-ACID	Root				Jim Duke's personal files.
14	SHIKIMIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	MAGNESIUM-OXIDE	Leaf		5700.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	N-DOCASANE	Seed Oil				Jim Duke's personal files.
0	POTASSIUM-OXIDE-(K2O)	Leaf		52300.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	N-TETRACOSANE	Seed Oil				Jim Duke's personal files.
4	LACTOSE	Root				Jim Duke's personal files.
0	SCYLLITOL	Juice		500.0		--
3	ASPARTIC-ACID	Endosperm				Jim Duke's personal files.
4	SYRINGALDEHYDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	HYDROXYPROLINE	Endosperm				Jim Duke's personal files.
8	GLUTAMIC-ACID	Endosperm				Jim Duke's personal files.
6	MYRISTIC-ACID	Seed Oil				Jim Duke's personal files.
10	SQUALENE	Seed Oil				Jim Duke's personal files.
3	DECANOIC-ACID	Endosperm				Jim Duke's personal files.
0	URONIC-ANHYDRIDES	Hull Husk		35000.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
23	ALPHA-TERPINEOL	Fruit				Jim Duke's personal files.
7	HISTIDINE	Leaf				Jim Duke's personal files.
14	ARGININE	Leaf				Jim Duke's personal files.
0	PROLINE	Leaf				Jim Duke's personal files.
7	GLUCOSE	Root				Jim Duke's personal files.
3	GOLD	Plant				--
63	MENTHOL	Fruit				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	METHIONINE	Leaf				Jim Duke's personal files.
0	D-GALACTURONIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	INOSITOL	Resin, Exudate, Sap		690.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	DELTA-DECALACTONE	Endosperm				Jim Duke's personal files.
0	UNDECANOIC-ACID	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
35	TANNIN	Plant				Jim Duke's personal files.
2	N-HEXACOSANE	Seed Oil				Jim Duke's personal files.
14	ARGININE	Endosperm				Jim Duke's personal files.
14	SUCROSE	Resin, Exudate, Sap		134000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HYDROXYPHASEIC-ACID	Resin, Exudate, Sap				Jim Duke's personal files.
0	PHOSPHORUS-OXIDE-(P2O5)	Leaf		1700.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
7	GLUCOSE	Juice		19700.0		Jim Duke's personal files.
7	GLUCOSE	Resin, Exudate, Sap		2400.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
60	LIMONENE	Fruit				Jim Duke's personal files.
15	METHIONINE	Endosperm				Jim Duke's personal files.
0	D-GALACTOSE	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SCYLLITOL	Endosperm		500.0		--
0	24-METHYLENE-CYCLOARTENOL	Seed Oil				Jim Duke's personal files.
14	SUCROSE	Juice		4300.0		Jim Duke's personal files.
0	HEPTAN-2-OL	Fruit				Jim Duke's personal files.
9	BETA-AMYRIN	Seed Oil				Jim Duke's personal files.
7	SUCCINIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	HEXANOIC-ACID	Seed	585.0	7190.0		--
0	DIHYDRO-PHASEIC-ACID	Resin, Exudate, Sap				Jim Duke's personal files.
8	GENTISIC-ACID	Leaf				Jim Duke's personal files.
14	GAMMA-TOCOPHEROL	Oil				--
3	VALINE	Leaf				Jim Duke's personal files.
4	LYSINE	Leaf				Jim Duke's personal files.
0	GALACTITOL	Endosperm				Jim Duke's personal files.
0	D-SORBITOL	Endosperm		15000.0		--
7	CYCLOARTENOL	Seed Oil				Jim Duke's personal files.
2	TRIDECANOIC-ACID	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
12	STIGMASTEROL	Seed Oil				Jim Duke's personal files.
0	N-HEPTADECANE	Seed Oil				Jim Duke's personal files.
0	N-PENTACOSANE	Seed Oil				Jim Duke's personal files.
10	ALPHA-AMYRIN	Seed Oil				Jim Duke's personal files.
3	VALINE	Endosperm				Jim Duke's personal files.
4	LYSINE	Endosperm				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	METHOXYL	Hull Husk		56000.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
8	FRUCTOSE	Root				Jim Duke's personal files.
1	CAPROIC-ACID	Endosperm				Jim Duke's personal files.
47	BETA-SITOSTEROL	Seed Oil				Jim Duke's personal files.
0	N-HEPTACOSANE	Seed Oil				Jim Duke's personal files.
5	OCTANOIC-ACID	Endosperm				Jim Duke's personal files.
24	PECTIN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
22	GABA	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ACETOVANILLONE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	ALUMINUM	Leaf				Jim Duke's personal files.
0	LINAMARASE	Endosperm				Jim Duke's personal files.
0	MESO-INOSITOL	Endosperm		100.0		--
23	CITRIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	FRUCTOSE	Juice		22200.0		Jim Duke's personal files.
8	TYROSINE	Leaf				Jim Duke's personal files.
2	CAMPESTEROL	Seed Oil				Jim Duke's personal files.
1	SERINE	Leaf				Jim Duke's personal files.
3	N-HENTRIACONTANE	Seed Oil				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
10	SQUALENE	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	GAMMA-NONALACTONE	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	DELTA-OCTALACTONE	Endosperm				Jim Duke's personal files.
8	FRUCTOSE	Resin, Exudate, Sap		2100.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ACETOSYRINGONE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	PHENYLALANINE	Leaf				Jim Duke's personal files.
3	LIGUSTRAZINE	Endosperm				Jim Duke's personal files.
0	EHTYL-LACTATE	Fruit				Jim Duke's personal files.
0	N-TRICOSANE	Seed Oil				Jim Duke's personal files.
0	BUTYROIN	Fruit				Jim Duke's personal files.
0	THORIUM	Plant				--
5	OCTANOIC-ACID	Seed	4670.0	57520.0		--
1	SERINE	Endosperm				Jim Duke's personal files.
0	N-HENEICOSANE	Seed Oil				Jim Duke's personal files.
11	SORBITOL	Endosperm				Jim Duke's personal files.
0	FUCOSTEROL	Pollen Or Spore				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	N-OCTADECANE	Seed Oil				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	P-HYDROXY-BENZOIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	1,3-DIPHENYLUREA?	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	ALANINE	Leaf				Jim Duke's personal files.