

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Coffea arabica

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CARBOHYDRATES	Leaf	666000.0	712000.0	0.7964570524747036	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CARBOHYDRATES	Seed	600000.0	728000.0	0.8131126460843718	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	FIBER	Seed	229000.0	244000.0	0.8624290700798181	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Leaf	175000.0	187000.0	0.3149049121779396	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Seed	98700.0	140000.0	-0.8343645955506414	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	FAT	Seed	74000.0	170000.0	-0.5024405631299633	--
0	WATER	Seed	60000.0	100000.0	-0.4896816688601282	--
0	FAT	Leaf	55000.0	59000.0	0.05057198773678454	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
77	CHLOROGENIC-ACID	Seed	50000.0	80000.0	2.099473455662158	--
0	LINOLENIC-ACID	Seed	33300.0	72000.0	0.6770794300897944	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
28	CALCIUM	Leaf	19000.0	20406.0	0.1345247907090656	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	NITROGEN	Seed	16000.0	23000.0	-0.08890229552415746	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	WAX	Seed	10000.0	14000.0	1.2675004445952587	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
8	STEARIC-ACID	Seed	5920.0	12800.0	-0.28767350524597596	--
18	OLEIC-ACID	Seed	5920.0	12800.0	-0.8738766959416714	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	TRIGONELLINE	Seed	3000.0	13000.0	2.6975560988319325	--
4	PHOSPHORUS	Seed	1780.0	1900.0	-0.9125797887501755	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Leaf	1700.0	1816.0	-0.580562542862247	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Seed	1200.0	1281.0	-0.5262569010113829	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	EO	Seed	1000.0	2000.0	-0.5252163822922106	--
6	IRON	Leaf	966.0	1032.0	1.6952709840911955	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	PHYTOSTEROLS	Seed	920.0	940.0	-0.39269135400530825	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
62	CAFFEINE	Seed	600.0	32000.0	0.32954849831842203	--
47	BETA-SITOSTEROL	Seed	520.0	530.0	-0.42759619083407946	--
12	STIGMASTEROL	Seed	240.0	270.0	-0.18717042991843028	--
2	CAMPESTEROL	Seed	110.0	120.0	-0.3742741742761247	--
39	NIACIN	Leaf	52.0	56.0	-0.5047983115442195	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	IRON	Seed	29.0	31.0	-0.5565954591757142	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	BETA-CAROTENE	Leaf	20.0	25.0	-1.0290654853904624	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
21	THEOBROMINE	Seed	18.0	20.0	-0.49992618078868906	--
39	NIACIN	Seed	13.0	14.0	-0.8646782329499472	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PHYTATE	Seed	7.0	370.0	-1.5315645120943797	--
7	SALICYLATES	Seed	0.0	10.0	-0.2865247216874145	--
1	LANOSTEROL	Seed				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	CHOLESTANOL	Seed				--
0	7-STIGMASTEROL	Seed				--
0	RHAMNOSE	Seed				--
102	CAFFEIC-ACID	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	CAHWEOL	Seed				--
0	2,3,5-TRIMETHYLPHENOL	Seed				Jim Duke's personal files.
0	P-XYLENOL	Seed				Jim Duke's personal files.
0	GLUCOGALACTOMANNAN	Seed				--
2	ASPARAGINE	Seed				--
1	N-NONACOSANE	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	DATURIC-ACID	Seed				--
0	5-AVENASTEROL	Seed				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	RAFFINOSE	Seed				--
16	ISOEUGENOL	Seed				Jim Duke's personal files.
0	CAFFETANNIC-ACID	Seed		84600.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
31	THIAMIN	Seed		2.0	-1.0937002421726418	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	P-CRESOL	Seed				Jim Duke's personal files.
0	ASH	Seed		37400.0	-0.31521697993801695	--
1	STACHYOSE	Seed				--
6	MYRISTIC-ACID	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	CYSTINE	Seed				--
0	10-O-METHYLCAFEOSTOL	Seed				--
1	CELLULOSE	Seed				--
0	4-METHOXY-4-VINYLPHENOL	Seed				Jim Duke's personal files.
0	PUTRESCINE	Seed				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
4	ISOCHLOROGENIC-ACID	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	CAFFEYOYL-3-QUINIC-ACID	Seed				--
36	THEOPHYLLINE	Seed		5.0	-0.8086779488341806	--
25	P-COUMARIC-ACID	Plant				--
0	ARACHIDIC-ACID	Seed				--
10	SQUALENE	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	METHYL-1-5-ALPHA-STIGMAST-7-EN-3-BETA-OL	Seed				--
13	CYSTEINE	Seed				--
0	CARNAUBIC-ACID	Seed				--
0	4-ETHYLPHENOL	Seed				Jim Duke's personal files.
76	EUGENOL	Seed				Jim Duke's personal files.
0	CAFFEOL	Seed				--
36	THEOPHYLLINE	Leaf				--
9	OXALIC-ACID	Fruit		154.0	-0.2978571100852865	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburgh & London. 1457 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ARABINOSE	Seed				--
1	SPERMINE	Seed				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
15	METHIONINE	Seed				--
3	CYCLOEUCALENOL	Seed				--
0	POLYAMINES	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
14	GAMMA-TOCOPHEROL	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	4,5-DICAFFEOYL-QUINIC-ACID	Seed				--
0	PROTEIN	Leaf		99000.0	-1.1257384013756186	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ARABINO GALACTOSE	Seed				--
1	SPERMIDINE	Seed				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
3	MANNOSE	Seed				--
7	CYANIDIN	Plant				--
0	GAMMA-SITOSTEROL	Seed				--
0	ATRACTYLIGENIN	Seed				--
3	3,5-DICAFFEOYL-QUINIC-ACID	Seed				--
0	HYPOXANTHINE	Seed				--
0	ENT-16-KAUREN-19-OL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
102	CAFFEIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

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21	THEOBROMINE	Leaf				--
0	OBTUSIFOLIOL	Seed				--
0	MANNAN	Seed				--
0	COFFEASTEROL	Seed				--
32	ALPHA-TOCOPHEROL	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
9	SINAPIC-ACID	Plant				--
0	GALACTOMANNAN	Seed				--
0	CAPRINIC-ACID	Seed				--
0	CAMPESTANOL	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	3,4-DICAFFEOYL-QUINIC-ACID	Seed				--
0	HYDROGEN-SULFIDE	Seed				--
0	DIMETHYL-5-ALPHA-CHOLEST-8-EN-3-BETA-OL	Seed				--
2	CAFESTOL	Seed		6000.0		--
0	TETRACOSIC-ACID	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	O-XYLENOL	Seed				Jim Duke's personal files.
8	M-CRESOL	Seed				Jim Duke's personal files.
1	CITROSTADIENOL	Seed				--
12	ALLANTOIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
44	SCOPOLETIN	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	L-ASPARTIC-ACID	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	GALACTAN	Seed				--
0	XYLAN	Seed				--
0	24-METHYLENEPHENOL	Seed				--
0	PENTOSANS	Seed				--
0	HOMOCELLULOSE	Seed				--
0	DIMETHYL-5-ALPHA-CHOLEST-7-EN-3-BETA-OL	Seed				--
0	CAFESTEROL	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
35	TANNIN	Seed		90000.0	0.12467231877609526	--
6	O-CRESOL	Seed				Jim Duke's personal files.
23	CITRIC-ACID	Seed				--
0	ALLANTOIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	SACCHAROSE	Seed				--
0	L-ASPARAGINE	Fruit				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	FURFURALDEHYDE	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CAMOESTANOL	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	XANTHINE	Seed				--
0	24-METHYLENE-CYCLOARTENOL	Seed				--
0	PENTOSANE	Seed				--
0	HEMICELLULOSE	Seed				--
0	DIHYDROSITOSTEROL	Seed				--
0	BETA-TOCOPHEROL	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
41	TANNIC-ACID	Seed				--
27	LINOLEIC-ACID	Seed				--
20	CHOLINE	Seed		300.0	-1.291686985764833	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
11	ADENINE	Seed				--
15	RIBOFLAVIN	Seed		1.0	-0.9674166926890354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	KAHWEOL	Seed		3000.0		--
0	FUFURYL-ALCOHOL	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	2-METHOXY-4-ETHYLPHENOL	Seed				Jim Duke's personal files.
24	PECTIN	Seed				--
0	GUANOSINE	Seed				--
0	DIHYDROLANASTEROL	Seed				--
0	SUGAR	Seed		4300.0	-0.9041931273600093	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	LIGNOCERIC-ACID	Seed				--
1	CHOLESTEROL	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	ACETALDEHYDE	Seed				--
15	RIBOFLAVIN	Leaf		2.0	-0.16848655199175794	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
8	GLUTAMIC-ACID	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	2-ETHYLPHENOL	Seed				Jim Duke's personal files.
13	PALMITIC-ACID	Seed		23680.0	-0.21100581460020332	--
18	GUAIACOL	Seed				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	DEXTRINS	Seed		8700.0		--
3	ASPARTIC-ACID	Seed				--