

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Theobroma bicolor*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
112	ASCORBIC-ACID	Seed		0.0	-0.33845664486186666	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	BETA-CAROTENE	Seed		0.0	-0.42930857989782434	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	WATER	Petiole		505900.0	1.0	--
15	RIBOFLAVIN	Fruit	1.5	7.2	0.46917500296048864	--
53	BETA-CAROTENE	Fruit	1.9	9.0	-0.13340379128566146	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
31	THIAMIN	Seed	2.2	2.3	-1.0221252861804977	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Seed	3.4	3.5	-0.009281215943415229	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	IRON	Fruit	7.0	34.0	-0.39261934644408286	--
39	NIACIN	Seed	16.0	17.0	-0.7748758974183192	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
31	THIAMIN	Fruit	18.0	85.0	10.197834730637272	J Cell Biochem VOL. 22=1995
39	NIACIN	Fruit	32.0	155.0	1.260652571071967	--
6	IRON	Seed	34.0	35.0	-0.5380102337110099	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
36	THEOPHYLLINE	Petiole	53.0	273.0	1.1206310514564426	--
62	CAFFEINE	Petiole	72.0	138.0	-0.2733174597877635	--
62	CAFFEINE	Seed	110.0	147.0	-0.9968967002258203	--
21	THEOBROMINE	Petiole	117.0	129.0	0.012824026348716171	--
28	CALCIUM	Fruit	158.0	184.0	-0.8474181821307507	--
62	CAFFEINE	Fruit	158.0	184.0		--
62	CAFFEINE	Testa	192.0	235.0	-0.3589790793088693	--
36	THEOPHYLLINE	Seed	196.0	216.0	-0.6953921652702371	--
112	ASCORBIC-ACID	Fruit	210.0	1010.0	-0.22169024281702743	--
36	THEOPHYLLINE	Testa	210.0	211.0	0.27820259923782353	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHOSPHORUS	Fruit	410.0	1970.0	-0.37845815206005573	--
36	THEOPHYLLINE	Fruit	453.0	522.0		--
28	CALCIUM	Seed	650.0	675.0	-0.6375536174824907	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	KILOCALORIES	Fruit	710.0	3410.0	-0.3805452107665679	--
21	THEOBROMINE	Seed	1139.0	1710.0	-0.36783874858280785	--
21	THEOBROMINE	Fruit	1435.0	1468.0		--
0	FAT	Fruit	2900.0	36900.0	-0.3594128579223468	--
0	ARACHIDIC-ACID	Seed	4310.0	4555.0	-0.20988501787252198	--
4	PHOSPHORUS	Seed	5490.0	5695.0	0.09028318203434986	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	KILOCALORIES	Seed	6020.0	6240.0	1.0809927966211024	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Fruit	7000.0	89060.0	0.8389118848140575	--
15	FIBER	Fruit	8300.0	105600.0	-0.34043407495696754	--
21	THEOBROMINE	Testa	8787.0	9158.0	0.31325630519702463	--
27	LINOLEIC-ACID	Seed	9620.0	10160.0	-0.8307817269687686	--
0	PROTEIN	Fruit	12500.0	159035.0	0.6640577868093277	--
13	PALMITIC-ACID	Seed	20915.0	22090.0	-0.2438126737043981	--
15	FIBER	Seed	26000.0	244640.0	0.8674826193865603	--
0	ASH	Seed	33000.0	41725.0	-0.18513123034256093	--
0	WATER	Seed	36000.0	523100.0	1.1339295199696324	--
0	JAF39:1941TES	Fruit	56200.0	861900.0		J Cell Biochem VOL. 22=1995
18	OLEIC-ACID	Seed	134800.0	142385.0	0.1913880894880472	--
0	PROTEIN	Seed	171000.0	203300.0	-0.27127831387069395	--
8	STEARIC-ACID	Seed	172655.0	182375.0	3.391528168717382	--
0	JAF38:1504TES	Seed	219000.0	391250.0		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	FAT	Seed	342300.0	562000.0	1.5623636549531215	--
0	WATER	Fruit	790000.0	921400.0	0.655798015143025	--