

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Mangifera indica*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
77	ZINC	Fruit	0.4	11.4	-0.5686696445323708	--
3	XANTHOPHYLL	Fruit		42.0		--
3	VALINE	Fruit	260.0	2700.0	-0.3616923014140742	--
8	TYROSINE	Fruit	100.0	1600.0	-0.3392583717847882	--
29	TRYPTOPHAN	Fruit	80.0	700.0	-0.21114411557955096	--
4	THREONINE	Fruit	190.0	2250.0	-0.31912594555023627	--
31	THIAMIN	Leaf	0.4	1.8	-1.3555953139961678	--
31	THIAMIN	Fruit	0.4	3.4	-0.24739706588262703	--
35	TANNIN	Seed		1100.0	-0.9789348501337792	--
35	TANNIN	Flower		150000.0	1.0420282434519452	--
14	SULFUR	Seed		2300.0	-0.13283223056495774	--
14	SULFUR	Fruit	70.0	615.0	-0.5564873948196462	--
14	SUCROSE	Fruit	66700.0	125800.0	0.14513833161520354	--
7	SUCCINIC-ACID	Fruit				--
8	STEARIC-ACID	Fruit	30.0	164.0	-0.26834529322310596	--
5	STARCH	Seed		728000.0	1.6920089707375527	--
1	SODIUM	Fruit	13.0	143.0	-0.17039025705708669	--
1	SERINE	Fruit	220.0	3150.0	-0.17405451064224267	--
15	RIBOFLAVIN	Leaf	0.6	2.7	-0.1652053120597125	--
15	RIBOFLAVIN	Fruit	0.5	3.3	-0.366074907816702	--
176	QUERCETIN	Plant				--
4	PUFA	Fruit	510.0	2788.0	-0.6399379675471701	--
14	POTASSIUM	Fruit	1080.0	9475.0	-0.7468507384335705	--
4	PHOSPHORUS	Leaf	720.0	3800.0	-0.21553238050483775	--
4	PHOSPHORUS	Fruit	103.0	1050.0	-0.6578987573811144	--
7	PHENYLALANINE	Fruit	170.0	3700.0	0.1297812445402883	--
11	PANTOTHENIC-ACID	Fruit	1.6	8.8	-0.5934967876329093	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
2	PALMITOLEIC-ACID	Fruit	480.0	2625.0	0.13434275972162907	--
13	PALMITIC-ACID	Fruit	520.0	2843.0	-0.3212761126292812	--
25	P-COUMARIC-ACID	Plant				--
9	OXALIC-ACID	Fruit		300.0	-0.28980632178692084	--
18	OLEIC-ACID	Fruit	540.0	2950.0	-0.45800852316309565	--
39	NIACIN	Leaf	22.0	100.0	0.03039961658184584	--
39	NIACIN	Fruit	6.5	63.0	0.030772231626806576	--
5	NERYL-ACETATE	Flower				--
10	NEROL	Flower				--
6	MYRISTIC-ACID	Fruit	90.0	492.0	-0.24593320815893743	--
13	MUFA	Fruit	1010.0	5522.0	-0.17361464951682332	--
15	METHIONINE	Fruit	50.0	550.0	-0.5030640918162512	--
14	MANGANESE	Fruit	0.2	12.2	-0.32309228144198865	--
15	MALIC-ACID	Fruit	6700.0	36600.0	1.431091858608257	--
65	MAGNESIUM	Fruit	84.0	875.0	-0.5810160578267854	--
4	LYSINE	Fruit	410.0	3200.0	-0.23684174363005844	--
27	LINOLEIC-ACID	Fruit	140.0	765.0	-0.344606880536569	--
60	LIMONENE	Flower				--
2	LEUCINE	Fruit	310.0	2950.0	-0.4573091322943992	--
7	LAURIC-ACID	Fruit	10.0	55.0	-0.4448460638494782	--
75	KAEMPFEROL	Plant				--
3	ISOLEUCINE	Fruit	180.0	2000.0	-0.4919065331480769	--
6	IRON	Leaf		62.0	-0.7634244142317788	--
6	IRON	Fruit	1.0	243.0	0.4364273239185042	--
12	IODINE	Fruit		0.016	-0.29065140166071857	--
7	HISTIDINE	Fruit	120.0	1200.0	-0.3594009129262241	--
12	GLYCINE	Fruit	210.0	1900.0	-0.6593976265290327	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
8	GLUTAMIC-ACID	Fruit	600.0	6800.0	-0.5009890196788704	--
7	GLUCOSE	Fruit	10000.0	43200.0	-0.4366053877332448	--
35	GERANIOL	Flower				--
62	GALLIC-ACID	Flower		90000.0		--
22	GABA	Fruit				--
8	FRUCTOSE	Fruit	25700.0	48300.0	-0.15508898409336003	--
15	FIBER	Leaf	16000.0	211000.0	0.611692433689591	--
15	FIBER	Fruit	8000.0	49000.0	-0.8745388824065008	--
7	DIPENTENE	Flower				--
2	CYSTINE	Fruit	70.0	350.0	-0.7106816009946931	--
12	COPPER	Fruit	1.1	16.6	0.2942767486189969	--
23	CITRIC-ACID	Fruit				--
7	CHLORINE	Fruit		205.0	-0.5550229057928399	--
1	CATALASE	Fruit				--
28	CALCIUM	Fruit	92.0	1400.0	-0.5668135682608904	--
28	CALCIUM	Leaf	290.0	29300.0	0.7422308687836834	--
4	BORON	Fruit	0.5	17.5	-0.45156424379391624	--
13	BETA-PINENE	Flower				--
53	BETA-CAROTENE	Leaf	6.0	44.0	-0.946321501702505	--
53	BETA-CAROTENE	Fruit	11.0	96.0	0.03476564121577664	--
3	ASPARTIC-ACID	Fruit	420.0	4100.0	-0.7959501976643252	--
112	ASCORBIC-ACID	Leaf	530.0	2430.0	-0.21844706152003404	--
112	ASCORBIC-ACID	Fruit	30.0	1760.0	-0.175057498269994	--
14	ARGININE	Fruit	190.0	3400.0	-0.24266757328230928	--
28	ALPHA-PINENE	Flower				--
11	ALPHA-PHELLANDRENE	Flower				--
3	ALANINE	Fruit	510.0	5650.0	0.7634571196382851	--