

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Areca catechu

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	ALKALOIDS	Seed	3000.0	6000.0	-0.5051505079246019	--
0	ARECA-RED	Seed	60000.0	160000.0		--
1	ARECAIDINE	Seed				--
3	ARECAINE	Seed				--
0	ARECOLIDINE	Seed				--
25	ARECOLINE	Seed		1000.0		--
112	ASCORBIC-ACID	Seed				--
0	ASH	Sprout Seedling		10000.0	-1.433018365784906	--
0	ASH	Seed		15000.0	-0.9889558911376043	--
53	BETA-CAROTENE	Plant				--
47	BETA-SITOSTEROL	Seed				--
28	CALCIUM	Sprout Seedling		60.0	-0.6578060727234551	--
28	CALCIUM	Seed	500.0	1050.0	-0.5686818869929439	--
3	CAPRIC-ACID	Seed				--
0	CARBOHYDRATES	Sprout Seedling	90000.0	662000.0	0.467533482939333	--
0	CARBOHYDRATES	Seed	472000.0	791000.0	1.063487373678101	--
1	CELLULOSE	Hull Husk		476000.0	1.297771369046101	--
20	CHOLINE	Seed				--
12	COPPER	Seed		15.0	0.01682814208698858	--
4	D-CATECHIN	Seed				--
7	DIOSGENIN	Seed				--
0	FAT	Shoot	3000.0	23000.0	-0.4447962946900227	--
0	FAT	Seed	44000.0	180000.0	-0.44976698613804794	--
15	FIBER	Seed	159000.0	181000.0	0.3649703101973709	--
0	GALACTAN	Seed				--
62	GALLIC-ACID	Seed				--
1	GUVACINE	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	GUVACOLINE	Seed				--
0	HENEICOSANIC-ACID	Seed				--
0	HOMOARECOLINE	Seed				--
6	IRON	Shoot	20.0	147.0	-0.47147025731198744	--
6	IRON	Seed	15.0	70.0	-0.37538951089484696	--
0	ISOGUVACINE	Seed				--
0	KRYPTOGENIN	Seed				--
7	LAURIC-ACID	Seed	22000.0	90000.0	0.29478612932033715	--
0	LEUCOCYANIDINE	Seed				--
0	LEUCOPELARGONIDINE	Seed				--
27	LINOLEIC-ACID	Seed				--
65	MAGNESIUM	Seed		500.0	-0.9664396109765873	--
14	MANGANESE	Seed		67.0	0.16790040064628636	--
0	MANNAN	Seed				--
0	MARGARINIC-ACID	Seed				--
1	MERCURY	Seed		0.03	-0.5650847996518767	--
3	MUCILAGE	Seed				--
6	MYRISTIC-ACID	Seed	9240.0	30240.0	0.09986453515382752	--
39	NIACIN	Seed	6.0	6.8	-1.0802038382258543	--
0	NONADECANIC-ACID	Seed				--
18	OLEIC-ACID	Seed	12760.0	41760.0	-0.635808492167742	--
2	PALMITOLEIC-ACID	Seed				--
0	PHLOBAPHENE-TANNIN	Seed				--
4	PHOSPHORUS	Seed	630.0	1892.0	-0.9146938608888517	--
4	PHOSPHORUS	Shoot		890.0	-1.1329211620511657	--
14	POTASSIUM	Seed	4460.0	6700.0	-0.5162331889156384	--
0	PROTEIN	Sprout Seedling	33000.0	243000.0	-0.3557158055790802	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	PROTEIN	Seed	49000.0	71325.0	-1.445264285825055	--
0	RESIN	Seed				--
15	RIBOFLAVIN	Seed	6.9	7.9	1.6770372231288766	--
1	SODIUM	Seed	151.0	867.0	0.6605751056622157	--
8	STEARIC-ACID	Seed				--
14	SUCROSE	Seed				--
35	TANNIN	Seed	150000.0	250000.0	2.1109169422359373	--
31	THIAMIN	Seed	1.7	1.9	-1.11755856083669	--
0	WATER	Sprout Seedling		864000.0	0.5266956633958348	--
0	WATER	Seed	123000.0	313000.0	0.3276881803971136	--
77	ZINC	Seed		16.0	-0.8270647141112636	--