

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Areca catechu

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Refernce Citation |
|------------------|--------------------|------------|---------|----------|--------|-------------------|
| 3 | CAPRIC-ACID | Seed | | | | -- |
| 1 | ARECAIDINE | Seed | | | | -- |
| 0 | RESIN | Seed | | | | -- |
| 0 | KRYPTOGENIN | Seed | | | | -- |
| 0 | ARECA-RED | Seed | 60000.0 | 160000.0 | | -- |
| 3 | MUCILAGE | Seed | | | | -- |
| 0 | ISOGUVACINE | Seed | | | | -- |
| 47 | BETA-SITOSTEROL | Seed | | | | -- |
| 7 | DIOSGENIN | Seed | | | | -- |
| 0 | MARGARINIC-ACID | Seed | | | | -- |
| 53 | BETA-CAROTENE | Plant | | | | -- |
| 4 | D-CATECHIN | Seed | | | | -- |
| 0 | MANNAN | Seed | | | | -- |
| 0 | HOMOARECOLINE | Seed | | | | -- |
| 0 | HENEICOSANIC-ACID | Seed | | | | -- |
| 20 | CHOLINE | Seed | | | | -- |
| 0 | PHLOBAPHENE-TANNIN | Seed | | | | -- |
| 112 | ASCORBIC-ACID | Seed | | | | -- |
| 14 | SUCROSE | Seed | | | | -- |
| 0 | GUVACOLINE | Seed | | | | -- |
| 2 | PALMITOLEIC-ACID | Seed | | | | -- |
| 27 | LINOLEIC-ACID | Seed | | | | -- |
| 25 | ARECOLINE | Seed | | 1000.0 | | -- |
| 8 | STEARIC-ACID | Seed | | | | -- |
| 1 | GUVACINE | Seed | | | | -- |
| 0 | LEUCOPELARGONIDINE | Seed | | | | -- |
| 0 | ARECOLIDINE | Seed | | | | -- |

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|------------------|------------------|-----------------|---------|----------|----------------------|-------------------|
| 62 | GALLIC-ACID | Seed | | | | -- |
| 0 | NONADECANIC-ACID | Seed | | | | -- |
| 0 | LEUCOCYANIDINE | Seed | | | | -- |
| 3 | ARECAINE | Seed | | | | -- |
| 0 | GALACTAN | Seed | | | | -- |
| 0 | PROTEIN | Seed | 49000.0 | 71325.0 | -1.445264285825055 | -- |
| 0 | ASH | Sprout Seedling | | 10000.0 | -1.433018365784906 | -- |
| 4 | PHOSPHORUS | Shoot | | 890.0 | -1.1329211620511657 | -- |
| 31 | THIAMIN | Seed | 1.7 | 1.9 | -1.11755856083669 | -- |
| 39 | NIACIN | Seed | 6.0 | 6.8 | -1.0802038382258543 | -- |
| 0 | ASH | Seed | | 15000.0 | -0.9889558911376043 | -- |
| 65 | MAGNESIUM | Seed | | 500.0 | -0.9664396109765873 | -- |
| 4 | PHOSPHORUS | Seed | 630.0 | 1892.0 | -0.9146938608888517 | -- |
| 77 | ZINC | Seed | | 16.0 | -0.8270647141112636 | -- |
| 28 | CALCIUM | Sprout Seedling | | 60.0 | -0.6578060727234551 | -- |
| 18 | OLEIC-ACID | Seed | 12760.0 | 41760.0 | -0.635808492167742 | -- |
| 28 | CALCIUM | Seed | 500.0 | 1050.0 | -0.5686818869929439 | -- |
| 1 | MERCURY | Seed | | 0.03 | -0.5650847996518767 | -- |
| 14 | POTASSIUM | Seed | 4460.0 | 6700.0 | -0.5162331889156384 | -- |
| 0 | ALKALOIDS | Seed | 3000.0 | 6000.0 | -0.5051505079246019 | -- |
| 6 | IRON | Shoot | 20.0 | 147.0 | -0.47147025731198744 | -- |
| 0 | FAT | Seed | 44000.0 | 180000.0 | -0.44976698613804794 | -- |
| 0 | FAT | Shoot | 3000.0 | 23000.0 | -0.4447962946900227 | -- |
| 6 | IRON | Seed | 15.0 | 70.0 | -0.37538951089484696 | -- |
| 0 | PROTEIN | Sprout Seedling | 33000.0 | 243000.0 | -0.3557158055790802 | -- |
| 12 | COPPER | Seed | | 15.0 | 0.01682814208698858 | -- |
| 6 | MYRISTIC-ACID | Seed | 9240.0 | 30240.0 | 0.09986453515382752 | -- |

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|------------------|---------------|-----------------|----------|----------|---------------------|-------------------|
| 14 | MANGANESE | Seed | | 67.0 | 0.16790040064628636 | -- |
| 7 | LAURIC-ACID | Seed | 22000.0 | 90000.0 | 0.29478612932033715 | -- |
| 0 | WATER | Seed | 123000.0 | 313000.0 | 0.3276881803971136 | -- |
| 15 | FIBER | Seed | 159000.0 | 181000.0 | 0.3649703101973709 | -- |
| 0 | CARBOHYDRATES | Sprout Seedling | 90000.0 | 662000.0 | 0.467533482939333 | -- |
| 0 | WATER | Sprout Seedling | | 864000.0 | 0.5266956633958348 | -- |
| 1 | SODIUM | Seed | 151.0 | 867.0 | 0.6605751056622157 | -- |
| 0 | CARBOHYDRATES | Seed | 472000.0 | 791000.0 | 1.063487373678101 | -- |
| 1 | CELLULOSE | Hull Husk | | 476000.0 | 1.297771369046101 | -- |
| 15 | RIBOFLAVIN | Seed | 6.9 | 7.9 | 1.6770372231288766 | -- |
| 35 | TANNIN | Seed | 150000.0 | 250000.0 | 2.1109169422359373 | -- |