

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Artocarpus altilis*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|------------------|------------|---------|----------|----------------------|--|
| 10 | ALPHA-AMYRIN | Fruit | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 9 | HCN | Leaf | | | | -- |
| 2 | ARTOCARPIN | Fruit | | | | -- |
| 7 | CYCLOARTENOL | Fruit | | | | Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |
| 176 | QUERCETIN | Leaf | | | | -- |
| 53 | BETA-CAROTENE | Fruit | 0.04 | 0.1 | -0.15060733093236026 | Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |
| 15 | RIBOFLAVIN | Fruit | 0.3 | 1.0 | -0.8586581885314553 | -- |
| 14 | MANGANESE | Fruit | 0.6 | 3.5 | -0.38045894652942297 | -- |
| 31 | THIAMIN | Fruit | 1.0 | 4.0 | -0.17059389090821606 | -- |
| 53 | BETA-CAROTENE | Seed | 3.0 | 6.0 | -0.05425299955351525 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 15 | RIBOFLAVIN | Seed | 1.0 | 7.0 | 1.332108451500453 | -- |
| 12 | COPPER | Fruit | 0.8 | 7.5 | -0.41397119390099896 | -- |
| 77 | ZINC | Fruit | 1.2 | 8.0 | -0.6709616277275268 | -- |
| 31 | THIAMIN | Seed | 2.0 | 10.0 | 0.8149652509512033 | -- |
| 11 | PANTOTHENIC-ACID | Fruit | 4.0 | 15.5 | -0.1661280714367734 | -- |
| 11 | PANTOTHENIC-ACID | Seed | 8.0 | 20.0 | 0.34109708334068634 | USDA's Ag Handbook 8 and sequelae) |
| 4 | BORON | Fruit | 5.2 | 23.0 | -0.34082841326604174 | -- |
| 39 | NIACIN | Fruit | 9.0 | 30.0 | -0.41038049882634875 | -- |
| 6 | IRON | Seed | 37.0 | 58.0 | -0.43114518728895995 | Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |
| 6 | IRON | Fruit | 3.0 | 62.0 | -0.28155089299837743 | -- |
| 1 | SODIUM | Fruit | 11.0 | 98.0 | -0.1746575565185849 | -- |

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|------------------|---------------|------------|---------|----------|-----------------------|------------------------------------|
| 112 | ASCORBIC-ACID | Seed | 65.0 | 275.0 | -0.1733607233748212 | -- |
| 2 | CYSTINE | Fruit | 90.0 | 305.0 | -0.7576235534478998 | USDA's Ag Handbook 8 and sequelae) |
| 15 | METHIONINE | Fruit | 100.0 | 340.0 | -0.7616645502550369 | -- |
| 14 | SULFUR | Fruit | 120.0 | 530.0 | -0.6156458725608807 | -- |
| 8 | TYROSINE | Fruit | 190.0 | 645.0 | -0.7349855635212965 | -- |
| 28 | CALCIUM | Seed | 110.0 | 825.0 | -0.610004925286672 | -- |
| 7 | PHENYLALANINE | Fruit | 260.0 | 885.0 | -0.8464837796611955 | -- |
| 65 | MAGNESIUM | Fruit | 220.0 | 975.0 | -0.5347102478489796 | -- |
| 112 | ASCORBIC-ACID | Fruit | 150.0 | 985.0 | -0.22324466763526188 | -- |
| 4 | LYSINE | Fruit | 370.0 | 1258.0 | -0.7398073675080542 | -- |
| 4 | PHOSPHORUS | Fruit | 240.0 | 1460.0 | -0.5333654441402078 | -- |
| 3 | VALINE | Fruit | 470.0 | 1600.0 | -0.5886526730943261 | -- |
| 4 | THREONINE | Fruit | 520.0 | 1770.0 | -0.5186582080129573 | -- |
| 28 | CALCIUM | Fruit | 170.0 | 1950.0 | -0.4398953629743581 | -- |
| 3 | ISOLEUCINE | Fruit | 640.0 | 2175.0 | -0.43934615525772025 | -- |
| 15 | METHIONINE | Seed | 960.0 | 2195.0 | -0.5473722759537075 | USDA's Ag Handbook 8 and sequelae) |
| 2 | LEUCINE | Fruit | 650.0 | 2210.0 | -0.6146244091918053 | -- |
| 2 | CYSTINE | Seed | 1160.0 | 2655.0 | -0.34433546601368165 | USDA's Ag Handbook 8 and sequelae) |
| 29 | TRYPTOPHAN | Seed | 1230.0 | 2815.0 | -0.1739587530880548 | USDA's Ag Handbook 8 and sequelae) |
| 7 | HISTIDINE | Seed | 2070.0 | 4735.0 | -0.3692844740679109 | USDA's Ag Handbook 8 and sequelae) |
| 4 | PHOSPHORUS | Seed | 1750.0 | 5385.0 | 0.008362886660646867 | USDA's Ag Handbook 8 and sequelae) |
| 3 | ALANINE | Seed | 3360.0 | 7685.0 | -0.5253326480529015 | USDA's Ag Handbook 8 and sequelae) |
| 4 | THREONINE | Seed | 3850.0 | 8800.0 | 0.14820845669324514 | USDA's Ag Handbook 8 and sequelae) |
| 12 | GLYCINE | Seed | 4650.0 | 10635.0 | -0.045859921189783166 | USDA's Ag Handbook 8 and sequelae) |
| 14 | ARGININE | Seed | 4940.0 | 11300.0 | -0.5648812397085541 | USDA's Ag Handbook 8 and sequelae) |

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|------------------|---------------|------------|---------|----------|----------------------|--|
| 1 | SERINE | Seed | 4960.0 | 11340.0 | 0.146745340760994 | USDA's Ag Handbook 8 and sequelae) |
| 8 | STEARIC-ACID | Seed | 5100.0 | 11660.0 | -0.31240763414656997 | USDA's Ag Handbook 8 and sequelae) |
| 3 | VALINE | Seed | 5350.0 | 12235.0 | 0.027521825409118756 | USDA's Ag Handbook 8 and sequelae) |
| 2 | LEUCINE | Seed | 5630.0 | 12875.0 | -0.4026364486603939 | USDA's Ag Handbook 8 and sequelae) |
| 4 | LYSINE | Seed | 5700.0 | 13035.0 | 0.12683886829181903 | USDA's Ag Handbook 8 and sequelae) |
| 14 | POTASSIUM | Fruit | 2930.0 | 16700.0 | -0.10762879691707035 | -- |
| 7 | PHENYLALANINE | Seed | 7970.0 | 18225.0 | 0.7982563301966301 | USDA's Ag Handbook 8 and sequelae) |
| 13 | MUFA | Seed | 7120.0 | 18280.0 | -0.6593656796878006 | USDA's Ag Handbook 8 and sequelae) |
| 3 | ASPARTIC-ACID | Seed | 8170.0 | 18685.0 | -0.3465773866018333 | USDA's Ag Handbook 8 and sequelae) |
| 8 | GLUTAMIC-ACID | Seed | 10360.0 | 23690.0 | -0.7604153169482764 | USDA's Ag Handbook 8 and sequelae) |
| 15 | FIBER | Seed | 13400.0 | 38700.0 | -0.7586547934736168 | Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |
| 27 | LINOLEIC-ACID | Seed | 22900.0 | 52365.0 | -0.46916509692479974 | USDA's Ag Handbook 8 and sequelae) |
| 15 | FIBER | Fruit | 10600.0 | 64725.0 | -0.726150223446361 | -- |
| 4 | PUFA | Seed | 29770.0 | 68075.0 | -0.2874513089812912 | USDA's Ag Handbook 8 and sequelae) |