

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Artocarpus altilis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	WATER	Seed		562700.0	1.2858912384230914	USDA's Ag Handbook 8 and sequelae)
0	CAMPHOROL	Leaf				--
0	ARTOCARPINE	Fruit				Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
2	ARTOCARPIN	Fruit				--
0	CYCLOARTENYL-ACETATE	Bark				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CYCLOARTENONE	Bark				Chemical Constituents of Oriental Herbs (3 diff. books)
10	ALPHA-AMYRIN	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
9	HCN	Leaf				--
0	PAPAYOTIN	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				--
0	CYCLOART-25-ENE-BETA,25-DIOL	Fruit				Jim Duke's personal files.
0	CYCLOART-24-EN-BETA,25-DIOL	Fruit				Jim Duke's personal files.
0	CEROTIC-ACJD	Latex Exudate				--
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	--
12	COPPER	Fruit	0.8	7.5	-0.41397119390099896	--
31	THIAMIN	Fruit	1.0	4.0	-0.17059389090821606	--
15	RIBOFLAVIN	Seed	1.0	7.0	1.332108451500453	--
77	ZINC	Fruit	1.2	8.0	-0.6709616277275268	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
31	THIAMIN	Seed	2.0	10.0	0.8149652509512033	--
6	IRON	Fruit	3.0	62.0	-0.28155089299837743	--
53	BETA-CAROTENE	Seed	3.0	6.0	-0.05425299955351525	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
11	PANTOTHENIC-ACID	Fruit	4.0	15.5	-0.1661280714367734	--
4	BORON	Fruit	5.2	23.0	-0.34082841326604174	--
11	PANTOTHENIC-ACID	Seed	8.0	20.0	0.34109708334068634	USDA's Ag Handbook 8 and sequelae)
39	NIACIN	Fruit	9.0	30.0	-0.41038049882634875	--
1	SODIUM	Fruit	11.0	98.0	-0.1746575565185849	--
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.
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	--
28	CALCIUM	Seed	110.0	825.0	-0.610004925286672	--
14	SULFUR	Fruit	120.0	530.0	-0.6156458725608807	--
112	ASCORBIC-ACID	Fruit	150.0	985.0	-0.22324466763526188	--
28	CALCIUM	Fruit	170.0	1950.0	-0.4398953629743581	--
8	TYROSINE	Fruit	190.0	645.0	-0.7349855635212965	--
65	MAGNESIUM	Fruit	220.0	975.0	-0.5347102478489796	--
4	PHOSPHORUS	Fruit	240.0	1460.0	-0.5333654441402078	--
7	PHENYLALANINE	Fruit	260.0	885.0	-0.8464837796611955	--
4	LYSINE	Fruit	370.0	1258.0	-0.7398073675080542	--
3	VALINE	Fruit	470.0	1600.0	-0.5886526730943261	--
4	THREONINE	Fruit	520.0	1770.0	-0.5186582080129573	--
3	ISOLEUCINE	Fruit	640.0	2175.0	-0.43934615525772025	--
2	LEUCINE	Fruit	650.0	2210.0	-0.6146244091918053	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	METHIONINE	Seed	960.0	2195.0	-0.5473722759537075	USDA's Ag Handbook 8 and sequelae)
0	FAT	Fruit	1000.0	34400.0	-0.3785076568304317	--
0	KILOCALORIES	Fruit	1030.0	3500.0	-0.24385075624618427	--
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)
4	PHOSPHORUS	Seed	1750.0	5385.0	0.008362886660646867	USDA's Ag Handbook 8 and sequelae)
0	KILOCALORIES	Seed	1910.0	4370.0	-0.38254298532751774	USDA's Ag Handbook 8 and sequelae)
7	HISTIDINE	Seed	2070.0	4735.0	-0.3692844740679109	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Fruit	2930.0	16700.0	-0.10762879691707035	--
3	ALANINE	Seed	3360.0	7685.0	-0.5253326480529015	USDA's Ag Handbook 8 and sequelae)
0	PROLINE	Seed	3690.0	8440.0	-0.5689185321946043	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)
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)
0	ASH	Fruit	5600.0	33400.0	-0.6024231529218168	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)
0	LINOLENIC-ACID	Seed	6870.0	15710.0	-0.3056044833525842	USDA's Ag Handbook 8 and sequelae)
13	MUFA	Seed	7120.0	18280.0	-0.6593656796878006	USDA's Ag Handbook 8 and sequelae)
7	PHENYLALANINE	Seed	7970.0	18225.0	0.7982563301966301	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	ASPARTIC-ACID	Seed	8170.0	18685.0	-0.3465773866018333	USDA's Ag Handbook 8 and sequelae)
0	PROTEIN	Fruit	9000.0	58240.0	-0.6871430180412038	--
8	GLUTAMIC-ACID	Seed	10360.0	23690.0	-0.7604153169482764	USDA's Ag Handbook 8 and sequelae)
15	FIBER	Fruit	10600.0	64725.0	-0.726150223446361	--
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.
0	ASH	Seed	15000.0	85850.0	1.142044191830733	USDA's Ag Handbook 8 and sequelae)
0	SFA	Seed	15090.0	34505.0	-0.23940218804474309	USDA's Ag Handbook 8 and sequelae)
27	LINOLEIC-ACID	Seed	22900.0	52365.0	-0.46916509692479974	USDA's Ag Handbook 8 and sequelae)
0	FAT	Seed	25900.0	128000.0	-0.7236695864960081	--
4	PUFA	Seed	29770.0	68075.0	-0.2874513089812912	USDA's Ag Handbook 8 and sequelae)
0	PROTEIN	Seed	52500.0	199600.0	-0.3041917300194429	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
0	CARBOHYDRATES	Seed	159000.0	677000.0	0.6104283427942102	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
0	CARBOHYDRATES	Fruit	179200.0	922450.0	0.7463435438723027	--
0	WATER	Fruit	706000.0	891600.0	0.526224825754137	--