

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Artocarpus altilis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	SODIUM	Fruit	11.0	98.0	-0.1746575565185849	--
1	SERINE	Seed	4960.0	11340.0	0.146745340760994	USDA's Ag Handbook 8 and sequelae)
2	LEUCINE	Seed	5630.0	12875.0	-0.4026364486603939	USDA's Ag Handbook 8 and sequelae)
2	CYSTINE	Seed	1160.0	2655.0	-0.34433546601368165	USDA's Ag Handbook 8 and sequelae)
2	LEUCINE	Fruit	650.0	2210.0	-0.6146244091918053	--
2	CYSTINE	Fruit	90.0	305.0	-0.7576235534478998	USDA's Ag Handbook 8 and sequelae)
2	ARTOCARPIN	Fruit				--
3	ALANINE	Seed	3360.0	7685.0	-0.5253326480529015	USDA's Ag Handbook 8 and sequelae)
3	ASPARTIC-ACID	Seed	8170.0	18685.0	-0.3465773866018333	USDA's Ag Handbook 8 and sequelae)
3	VALINE	Seed	5350.0	12235.0	0.027521825409118756	USDA's Ag Handbook 8 and sequelae)
3	VALINE	Fruit	470.0	1600.0	-0.5886526730943261	--
3	ISOLEUCINE	Fruit	640.0	2175.0	-0.43934615525772025	--
4	THREONINE	Seed	3850.0	8800.0	0.14820845669324514	USDA's Ag Handbook 8 and sequelae)
4	PUFA	Seed	29770.0	68075.0	-0.2874513089812912	USDA's Ag Handbook 8 and sequelae)
4	THREONINE	Fruit	520.0	1770.0	-0.5186582080129573	--
4	PHOSPHORUS	Seed	1750.0	5385.0	0.008362886660646867	USDA's Ag Handbook 8 and sequelae)
4	BORON	Fruit	5.2	23.0	-0.34082841326604174	--
4	PHOSPHORUS	Fruit	240.0	1460.0	-0.5333654441402078	--
4	LYSINE	Seed	5700.0	13035.0	0.12683886829181903	USDA's Ag Handbook 8 and sequelae)
4	LYSINE	Fruit	370.0	1258.0	-0.7398073675080542	--
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	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	CYCLOARTENOL	Fruit				Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
7	HISTIDINE	Seed	2070.0	4735.0	-0.3692844740679109	USDA's Ag Handbook 8 and sequelae)
7	PHENYLALANINE	Seed	7970.0	18225.0	0.7982563301966301	USDA's Ag Handbook 8 and sequelae)
7	PHENYLALANINE	Fruit	260.0	885.0	-0.8464837796611955	--
8	GLUTAMIC-ACID	Seed	10360.0	23690.0	-0.7604153169482764	USDA's Ag Handbook 8 and sequelae)
8	STEARIC-ACID	Seed	5100.0	11660.0	-0.31240763414656997	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Fruit	190.0	645.0	-0.7349855635212965	--
9	HCN	Leaf				--
10	ALPHA-AMYRIN	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
11	PANTOTHENIC-ACID	Seed	8.0	20.0	0.34109708334068634	USDA's Ag Handbook 8 and sequelae)
11	PANTOTHENIC-ACID	Fruit	4.0	15.5	-0.1661280714367734	--
12	COPPER	Fruit	0.8	7.5	-0.41397119390099896	--
12	GLYCINE	Seed	4650.0	10635.0	-0.045859921189783166	USDA's Ag Handbook 8 and sequelae)
13	MUFA	Seed	7120.0	18280.0	-0.6593656796878006	USDA's Ag Handbook 8 and sequelae)
14	ARGININE	Seed	4940.0	11300.0	-0.5648812397085541	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Fruit	2930.0	16700.0	-0.10762879691707035	--
14	MANGANESE	Fruit	0.6	3.5	-0.38045894652942297	--
14	SULFUR	Fruit	120.0	530.0	-0.6156458725608807	--
15	RIBOFLAVIN	Fruit	0.3	1.0	-0.8586581885314553	--
15	METHIONINE	Seed	960.0	2195.0	-0.5473722759537075	USDA's Ag Handbook 8 and sequelae)
15	METHIONINE	Fruit	100.0	340.0	-0.7616645502550369	--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	FIBER	Fruit	10600.0	64725.0	-0.726150223446361	--
15	RIBOFLAVIN	Seed	1.0	7.0	1.332108451500453	--
27	LINOLEIC-ACID	Seed	22900.0	52365.0	-0.46916509692479974	USDA's Ag Handbook 8 and sequelae)
28	CALCIUM	Seed	110.0	825.0	-0.610004925286672	--
28	CALCIUM	Fruit	170.0	1950.0	-0.4398953629743581	--
29	TRYPTOPHAN	Seed	1230.0	2815.0	-0.1739587530880548	USDA's Ag Handbook 8 and sequelae)
31	THIAMIN	Seed	2.0	10.0	0.8149652509512033	--
31	THIAMIN	Fruit	1.0	4.0	-0.17059389090821606	--
39	NIACIN	Fruit	9.0	30.0	-0.41038049882634875	--
53	BETA-CAROTENE	Seed	3.0	6.0	-0.05425299955351525	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
65	MAGNESIUM	Fruit	220.0	975.0	-0.5347102478489796	--
77	ZINC	Fruit	1.2	8.0	-0.6709616277275268	--
112	ASCORBIC-ACID	Seed	65.0	275.0	-0.1733607233748212	--
112	ASCORBIC-ACID	Fruit	150.0	985.0	-0.22324466763526188	--
176	QUERCETIN	Leaf				--