

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Anacardium occidentale*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	4-O-METHYL-GLUCURONIC-ACID	Resin, Exudate, Sap	--	--		
3	ALANINE	Seed	7020	7141	-0.6409761657215634	
0	ALPHA-CATECHIN	Seed	--	--		
15	ALPHA-LINOLENIC-ACID	Seed	1610	1638	-0.2985767305984263	
5	ALUMINUM	Seed	2	2	-0.3603210889839242	
17	ANACARDIC-ACID	Seed	--	--		
1	ANACARDOL	Seed	--	--		
0	ANTIMONY	Seed	0.3	0.3	2.511211811890879	
0	ARABINOSE	Resin, Exudate, Sap	--	--		
14	ARGININE	Seed	17410	17711	-0.2934159428910989	
2	ARSENIC	Seed	0.02	0.02	-0.6237689826185465	
112	ASCORBIC-ACID	Leaf	890	2957	-0.16954817687582432	
112	ASCORBIC-ACID	Seed	20	21	-0.32584931994831046	
112	ASCORBIC-ACID	Fruit	252	17500	0.8036083672904138	
0	ASH	Fruit	2000	28000	-0.7422580290226741	
0	ASH	Leaf	12000	40000	-1.3892700153453241	
0	ASH	Seed	26000	32000	-0.47763618174506045	
3	ASPARTIC-ACID	Seed	15050	15310	-0.6461947700116154	

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0	BARIUM	Seed	0.1	0.1	-0.27939450847576075	
24	BENZALDEHYDE	Fruit	--	--		
53	BETA-CAROTENE	Fruit	7.6	53	-0.04835258404355484	
53	BETA-CAROTENE	Leaf	6	20	-1.0508402179399248	
53	BETA-CAROTENE	Seed	--	0.6	-0.39180302186339344	
47	BETA-SITOSTEROL	Seed	--	--		
4	BORON	Seed	3.2	3.2	-0.9919327348390011	
0	BROMINE	Seed	1.2	1.2	-0.4884230510723037	
3	CADMIUM	Seed	0.03	0.03	-0.33359741952043553	
28	CALCIUM	Seed	240	823	-0.6103722411826162	
28	CALCIUM	Fruit	100	833	-0.6976546998926427	
3	CAPRIC-ACID	Seed	1320	1343	-0.4680211894776765	
5	CAPRYLIC-ACID	Seed	1320	1343	-0.5667191598767337	
0	CAR-3-ENE	Fruit	--	--		
0	CARBOHYDRATES	Leaf	231000	767000	1.2338508826111518	
0	CARBOHYDRATES	Seed	294000	432000	-0.3632511534036252	
0	CARBOHYDRATES	Fruit	116000	958678	0.9400732776463802	
3	CARDANOL	Seed	--	--		
4	CARDOL	Bark	--	--		

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0	CESIUM	Seed	0.1	0.1	-0.3427209689454117	
7	CHLORINE	Seed	184	184	-0.36155559373452767	
24	CHROMIUM	Seed	0.3	0.3	-0.638807250662978	
2	COBALT	Seed	0.1	0.1	-0.20160684819961103	
12	COPPER	Seed	22	37	2.0123354874376878	
2	CYSTINE	Seed	2830	2879	-0.18850262666256273	
0	EUROPIUM	Seed	0.02	0.02	-0.52726637982005	
0	FAT	Fruit	1000	49000	-0.2669940312072158	
0	FAT	Leaf	6000	20000	-0.7265727366280398	
0	FAT	Seed	370000	482000	1.1409750390177982	
15	FIBER	Seed	7120	29000	-0.83524765015393	
15	FIBER	Fruit	6000	42000	-0.9405942472854183	
0	FLUORINE	Seed	1.4	1.4	-0.16764023966856637	
15	FOLACIN	Seed	0.7	0.7	-0.785920956714238	
0	GADOLEIC-ACID	Seed	1390	1414	-0.5202345799141829	
1	GALACTOSE	Resin, Exudate, Sap	--	--		
62	GALLIC-ACID	Seed	--	--		
0	GINGKOL	Bark	--	--		
7	GLUCOSE	Resin, Exudate, Sap	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	GLUCURONIC-ACID	Resin, Exudate, Sap	--	--		
8	GLUTAMIC-ACID	Seed	36240	36867	-0.20446602453379503	
12	GLYCINE	Seed	8030	8169	-0.4024005622319234	
3	GOLD	Plant	--	--		
0	HAFNIUM	Seed	0.02	0.02	-1.8708286933869704	
5	HEXANAL	Fruit	--	--		
7	HISTIDINE	Seed	3990	4059	-0.5489975487982978	
0	HYDROXYBENZOIC-ACID	Leaf	--	--		
12	IODINE	Seed	0.1	0.1	-0.2691124755165415	
6	IRON	Fruit	2	77	-0.22204993579532092	
6	IRON	Seed	18	195	0.20539878487716332	
3	ISOLEUCINE	Seed	7310	7436	-0.389893459870818	
0	KAEMPFEROL-GLYCOSIDE	Leaf	--	--		
0	KILOCALORIES	Fruit	530	3680	0.029538152794582936	
0	KILOCALORIES	Leaf	1000	3320	0.4866651017388852	
0	KILOCALORIES	Seed	5330	5920	0.8305481708331032	
0	L-EPICATECHIN	Seed	--	--		
0	LANTHANUM	Seed	0.02	0.02	-0.6239177481057772	
7	LAURIC-ACID	Seed	7840	7975	-0.440811578613728	

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0	LEAD	Seed	0.3	0.3	-0.6204106777053475	
2	LEUCINE	Seed	12850	13072	-0.38377984142154015	
1	LEUCOCYANIDIN	Fruit	--	--		
0	LEUCOPELARGONIDINE	Fruit	--	--		
60	LIMONENE	Fruit	--	--		
27	LINOLEIC-ACID	Seed	76600	77925	-0.2501644793694426	
0	LUTETIUM	Seed	0.01	0.01	0.06665021185544043	
4	LYSINE	Seed	8170	8311	-0.5130521224284408	
65	MAGNESIUM	Seed	260	2650	-0.1169887078856715	
14	MANGANESE	Seed	8.4	8.4	-0.5620652347681249	
3	MANNOSE	Resin, Exudate, Sap	--	--		
1	MERCURY	Seed	0.01	0.01	-0.6911494509964113	
15	METHIONINE	Seed	2740	2787	-0.39450659411183164	
2	MOLYBDENUM	Seed	0.1	0.1	-0.8411612755292146	
13	MUFA	Seed	273170	286115	1.2782320665688478	
6	MYRISTIC-ACID	Seed	3470	3530	-0.24979246471404634	
56	NARINGENIN	Seed	--	--		
39	NIACIN	Fruit	3	21	-0.5306948798590275	
39	NIACIN	Leaf	14	46	-0.6264342043001434	

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39	NIACIN	Seed	18	22	-0.6252053381989392	
0	NICAIN	Fruit	3	21		
3	NICKEL	Seed	5	5	0.04737372258928078	
18	OLEIC-ACID	Seed	268080	296000	1.4541935840575282	
9	OXALIC-ACID	Seed	3184	3184	-0.025633807973314167	
13	PALMITIC-ACID	Seed	34600	44262	0.21366762821900245	
2	PALMITOLEIC-ACID	Seed	1690	3235	-0.22081283286336767	
11	PANTOTHENIC-ACID	Seed	12	13	-0.39206962598934547	
7	PHENYLALANINE	Seed	7910	8046	-0.4172970059813783	
4	PHOSPHORUS	Fruit	100	3125	-0.027638696466770137	
4	PHOSPHORUS	Seed	3730	6255	0.2382682317416843	
2	PHYTOSTEROLS	Seed	1580	1607	-0.20931854705927475	
14	POTASSIUM	Seed	4600	6815	-0.5061196861833837	
0	PROLINE	Seed	6900	7019	-0.848087096872728	
0	PROTEIN	Fruit	2000	69000	-0.5429005391464995	
0	PROTEIN	Leaf	52000	173000	-0.3875169006763142	
0	PROTEIN	Seed	152000	188000	-0.4073797374047097	
0	PRUNIN-6''-O-P-COUMARATE	Seed	--	--		
4	PUFA	Seed	78360	83555	-0.16953414802178737	

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0	QUERCETIN-GLYCOSIDE	Leaf	--	--		
0	RHAMNOSE	Resin, Exudate, Sap	--	--		
15	RIBOFLAVIN	Fruit	2.4	16.7	2.503758118956209	
15	RIBOFLAVIN	Leaf	0.1	0.3	-0.1764552775410112	
15	RIBOFLAVIN	Seed	2	3.3	-0.08593205408306458	
0	RUBIDIUM	Seed	35	35	1.5378835358988063	
34	SALICYLIC-ACID	Fruit	--	--		
0	SAMARIUM	Seed	0.03	0.03	-0.8523247028586811	
0	SCANDIUM	Seed	0.002	0.002	-0.6367962615099008	
60	SELENIUM	Seed	0.2	0.2	-0.26179413521870387	
1	SERINE	Seed	8490	8637	-0.3712859895289362	
0	SFA	Seed	52325	93154	0.336864676172411	
4	SILICON	Seed	1280	1280	0.8544980394387577	
1	SODIUM	Seed	140	257	-0.30774995055826554	
10	SQUALENE	Seed	--	--		
8	STEARIC-ACID	Seed	17725	102000	1.6476635982040109	
0	STRONTIUM	Seed	4.2	4.2	-0.705387029824982	
14	SULFUR	Seed	4800	4800	1.2812471470152922	
35	TANNIN	Bark	90000	90000	-0.44688118757765943	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TANTALUM	Seed	0.02	0.02	-0.7378647873726218	
31	THIAMIN	Leaf	0.1	0.3	-1.6682009313814234	
31	THIAMIN	Seed	2	8.7	0.5048071083185783	
31	THIAMIN	Fruit	0.3	2.1	-0.413803944993851	
0	THORIUM	Seed	0.2	0.2	-0.19611613513818382	
4	THREONINE	Seed	5920	6022	-0.47321489984555887	
4	TIN	Seed	0.9	0.9	-0.532274727668068	
0	TITANIUM	Seed	2.4	2.4	-0.5666736798432865	
93	TOCOPHEROL	Seed	8	8	-0.4037678334997443	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	TRANS-HEX-2-ENAL	Fruit	--	--		
29	TRYPTOPHAN	Seed	2370	2411	-0.31173637673475146	
0	TUNGSTEN	Seed	0.1	0.1	0.013110315452406329	
8	TYROSINE	Seed	4910	4995	-0.6361609996504218	
0	URONIC-ANHYDRIDE	Resin, Exudate, Sap	57000	62000		
3	VALINE	Seed	10400	10580	-0.17630768339484962	
16	VANADIUM	Seed	0.02	0.02	-0.571891524157244	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	VIT-B-6	Seed	2	3	-0.7480591991066328	
0	WATER	Resin, Exudate, Sap	79000	95000	-0.8914970367173853	
0	WATER	Seed	27000	52000	-0.6738776912279574	
0	WATER	Fruit	856000	879000	0.471438846348097	
0	WATER	Leaf	699000	699000	-0.5419914237588871	
3	XYLOSE	Gum	--	--		
0	YTTERBIUM	Seed	0.02	0.02	-0.34808335567216764	
77	ZINC	Seed	48	57	0.336933418057826	