

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Diospyros virginiana*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	(E)-2-HEXENAL	Fruit	--	--		
5	ALUMINUM	Stem	4	378	-0.6174306750381806	
112	ASCORBIC-ACID	Fruit	660	1855	-0.1691506839607031	
0	ASH	Fruit	9000	25280	-0.8126933740216246	
0	ASH	Leaf	50000	50000	-1.2130822919513653	
0	ASH	Stem	22000	54000	-0.5075180916997535	
0	BARIUM	Leaf	1	910	1.4130816358434708	
0	BARIUM	Stem	3	1080	0.3551622078104018	
0	BENZOTHAZOLE	Fruit	--	--		
35	BORNEOL	Fruit	--	--		
12	BORNYL-ACETATE	Fruit	--	--		
4	BORON	Leaf	4	50	-0.30659202636599053	
4	BORON	Stem	1	38	0.46837837209848127	
28	CALCIUM	Fruit	270	758	-0.7149617278862607	
28	CALCIUM	Leaf	1150	12500	-0.40567357372290297	
28	CALCIUM	Stem	2640	17820	-0.10029470119182099	
0	CARBOHYDRATES	Fruit	335000	941000	0.8455399268222071	
24	CHROMIUM	Leaf	--	1	-0.5613457205769528	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
24	CHROMIUM	Stem	--	2.7	-0.3918934156283009	
2	COBALT	Leaf	--	100	0.2954881893911974	
2	COBALT	Stem	--	54	1.668646694884476	
12	COPPER	Stem	0.2	108	0.20449988832459973	
12	COPPER	Leaf	1	7.5	-0.554720213993324	
9	DELPHINIDIN	Plant	--	--		
0	FAT	Fruit	4000	11230	-0.5554782531105626	
0	FAT	Seed	26000	26000	-1.2609400718135455	
15	FIBER	Fruit	15000	42135	-0.9393203223913249	
0	GALLIUM	Leaf	--	0.25	-1.1271519258821554	
6	IRON	Leaf	15	500	0.3467906212996262	
6	IRON	Stem	3	1620	0.8380155251982907	
6	IRON	Fruit	25	70	-0.2498170491567473	
75	KAEMPFEROL	Plant	--	--		
0	KILOCALORIES	Fruit	1270	3567	-0.14208932899212093	
0	LANTHANUM	Leaf	1.5	15	-0.5802964317964908	
0	LANTHANUM	Stem	0.7	16.2	-0.1489557736290213	
0	LEAD	Leaf	0.5	35	0.12626601827727563	
0	LEAD	Stem	0.2	81	0.24297386294193962	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
65	MAGNESIUM	Leaf	1500	5000	0.3375802027674566	
65	MAGNESIUM	Stem	660	5400	0.26836564768874727	
14	MANGANESE	Stem	22	1080	-0.29871671814575645	
14	MANGANESE	Leaf	25	1500	2.0338018090962695	
0	MOLBDENUM	Leaf	--	1	-1	
2	MOLYBDENUM	Stem	--	1.08	-0.3956711063689107	
34	MYRICETIN	Plant	--	--		
0	NEODYMIUM	Leaf	3.5	15	-0.8904169781875997	
0	NEODYMIUM	Stem	1.5	37.8	1.351065633829466	
5	NERYL-ACETATE	Fruit	--	--		
3	NICKEL	Leaf	0.3	16	-0.08087015217240737	
3	NICKEL	Stem	0.1	8	-0.10761845956150089	
13	PALMITIC-ACID	Fruit	--	--		
2	PHENYL-ACETALDEHYDE	Fruit	--	--		
0	PHENYLETHYL-ACETATE	Fruit	--	--		
4	PHOSPHORUS	Fruit	260	730	-0.7550954896667	
4	PHOSPHORUS	Leaf	450	1500	-0.6387024275925601	
4	PHOSPHORUS	Stem	132	2592	0.06306530160500212	
14	POTASSIUM	Leaf	7500	16000	-0.633402368493856	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	POTASSIUM	Stem	1716	16200	0.09811468203229219	
14	POTASSIUM	Fruit	3100	8710	-0.8145330616529647	
0	PROTEIN	Fruit	8000	22470	-1.166655422322205	
0	PROTEIN	Seed	100000	100000	-1.190185310672251	
176	QUERCETIN	Plant	--	--		
1	SODIUM	Fruit	10	28	-0.1812955779031377	
0	STRONTIUM	Leaf	7	1000	1.4616863265937068	
0	STRONTIUM	Stem	6.6	378	-0.213467828894846	
0	TITANIUM	Stem	--	162	1.3331724435457684	
0	TITANIUM	Leaf	0.2	50	-0.4788053783798016	
16	VANADIUM	Leaf	0.25	1.5	-0.781324537834455	
16	VANADIUM	Stem	0.11	1.08	-0.8402103827584798	
0	WATER	Fruit	644000	644000	-0.5503631505105849	
0	YTTERBIUM	Stem	0.04	0.38	-0.45188716589657707	
0	YTTERBIUM	Leaf	0.1	1	-0.5083158684175239	
0	YTTRIUM	Leaf	0.2	15	-0.1420468538031468	
0	YTTRIUM	Stem	0.1	16.2	1.6675480931953979	
77	ZINC	Stem	9	162	0.6780864911725766	
77	ZINC	Leaf	5	25	-0.37334265856186327	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ZIRCONIUM	Stem	0.4	1.6	-0.568448547180419	
0	ZIRCONIUM	Leaf	1	3.5	-0.5552686985157645	