

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	
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	
24	CHROMIUM	Leaf	--	1	-0.5613457205769528	
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	--	--		
15	FIBER	Fruit	15000	42135	-0.9393203223913249	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	IRON	Stem	3	1620	0.8380155251982907	
6	IRON	Fruit	25	70	-0.2498170491567473	
6	IRON	Leaf	15	500	0.3467906212996262	
75	KAEMPFEROL	Plant	--	--		
65	MAGNESIUM	Leaf	1500	5000	0.3375802027674566	
65	MAGNESIUM	Stem	660	5400	0.26836564768874727	
14	MANGANESE	Leaf	25	1500	2.0338018090962695	
14	MANGANESE	Stem	22	1080	-0.29871671814575645	
2	MOLYBDENUM	Stem	--	1.08	-0.3956711063689107	
34	MYRICETIN	Plant	--	--		
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	--	--		
4	PHOSPHORUS	Leaf	450	1500	-0.6387024275925601	
4	PHOSPHORUS	Stem	132	2592	0.06306530160500212	
4	PHOSPHORUS	Fruit	260	730	-0.7550954896667	
14	POTASSIUM	Fruit	3100	8710	-0.8145330616529647	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	POTASSIUM	Leaf	7500	16000	-0.633402368493856	
14	POTASSIUM	Stem	1716	16200	0.09811468203229219	
176	QUERCETIN	Plant	--	--		
1	SODIUM	Fruit	10	28	-0.1812955779031377	
16	VANADIUM	Leaf	0.25	1.5	-0.781324537834455	
16	VANADIUM	Stem	0.11	1.08	-0.8402103827584798	
77	ZINC	Leaf	5	25	-0.37334265856186327	
77	ZINC	Stem	9	162	0.6780864911725766	