

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Carya ovata*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
5	ALUMINUM	Seed		2.6	-0.35932234891389175	--
0	ANTIMONY	Seed		0.1	-0.16686477174992723	--
2	ARSENIC	Seed		0.02	-0.6237689826185465	--
0	ASH	Shoot	25000.0	90000.0	-0.2911755905889351	--
0	BARIUM	Shoot	12.0	1800.0	0.9103402127400786	--
0	BARIUM	Seed		0.1	-0.27939450847576075	--
13	BETULIN	Stem Bark				Jim Duke's personal files.
22	BETULINIC-ACID	Stem Bark				Jim Duke's personal files.
4	BORON	Shoot	2.0	63.0	0.04245401095255614	--
4	BORON	Seed		8.5	-0.7405274577347044	--
0	BROMINE	Seed		1.8	-0.46266007694980854	--
3	CADMIUM	Shoot	0.0	3.0	1.3542236825386775	--
3	CADMIUM	Seed		0.08	-0.3080316002009365	--
28	CALCIUM	Shoot	5250.0	33300.0	1.35443468547114	--
28	CALCIUM	Seed		1095.0	-0.5604172793341982	--
0	CERIUM	Shoot	4.0	63.0		--
0	CESIUM	Seed		0.1	-0.3427209689454117	--
7	CHLORINE	Seed		71.0	-0.5934879811563711	--
24	CHROMIUM	Shoot	0.05	2.7	0.08421153558440407	--
24	CHROMIUM	Seed		1.6	-0.44941041353322464	--
2	COBALT	Shoot	0.0	13.5	0.9963488691926929	--
2	COBALT	Seed		0.2	-0.19726970453812753	--
12	COPPER	Shoot	1.25	45.0	1.002503241781006	--
12	COPPER	Seed		7.8	-0.6362469891186951	--
0	EUROPIUM	Seed		0.02	-0.52726637982005	--
0	FLUORINE	Shoot	0.0	0.009	-1.310470227923187	--
0	FLUORINE	Seed		1.3	-0.28480814911433866	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
3	GOLD	Seed		0.001	-0.5388159060803251	--
0	HAFNIUM	Seed		0.1	0.6236095644623241	--
12	IODINE	Shoot	2.0	5.0	-0.7276068751089995	--
12	IODINE	Seed		0.1	-0.2691124755165415	--
6	IRON	Shoot	12.5	45.0	-0.6080718399340791	--
6	IRON	Seed		32.0	-0.551949152809538	--
0	LANTHANUM	Shoot	1.7	90.0	-1.0	--
0	LANTHANUM	Seed		0.03	-0.1663780661615404	--
0	LEAD	Shoot	0.7	46.0	-0.7673699920636158	--
0	LEAD	Seed		0.4	-0.5912506785488685	--
20	LECITHIN	Seed Oil		5000.0		--
11	LITHIUM	Shoot	0.115	11.7	1.705076488539622	--
0	LUTETIUM	Seed		0.01	0.06665021185544043	--
65	MAGNESIUM	Shoot	125.0	21600.0	1.9506640893792175	--
65	MAGNESIUM	Seed		900.0	-0.8084022336573471	--
14	MANGANESE	Shoot	37.0	2700.0	1.083478041821579	--
14	MANGANESE	Seed		58.0	0.05578963752803206	--
2	MOLYBDENUM	Shoot	0.0	18.0	0.3235730087727428	--
2	MOLYBDENUM	Seed		0.1	-0.8411612755292146	--
0	NEODYMIUM	Shoot	0.0	13.5		--
3	NICKEL	Shoot	0.25	23.0	0.09982230838762565	--
3	NICKEL	Seed		9.8	0.9654786875912398	--
4	PHOSPHORUS	Shoot	110.0	1620.0	-0.8019261354676044	--
2	PHYTOSTEROLS	Seed Oil		3000.0		--
14	POTASSIUM	Seed		5361.0	-0.633989538119891	--
14	POTASSIUM	Shoot	550.0	14400.0	-0.6637977939338174	--
0	RUBIDIUM	Shoot	18.0	192.0	1.0	--

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0	RUBIDIUM	Seed		4.0	-1.017405340747756	--
0	SAMARIUM	Seed		0.05	0.18940548952415184	--
0	SCANDIUM	Seed		0.004	-0.18931780747591662	--
60	SELENIUM	Seed		0.02	-0.2635767939811563	--
4	SILICON	Shoot	172.0	2250.0	-1.0	--
4	SILICON	Seed		1180.0	0.6974346675272628	--
1	SODIUM	Shoot	5.0	270.0	-0.6555802280329606	--
1	SODIUM	Seed		2.8	-0.7112716379209646	--
0	STRONTIUM	Seed		2.5	-0.7615304756028449	--
0	STRONTIUM	Shoot	12.0	900.0	1.123014035765384	--
14	SULFUR	Seed		2180.0	-0.20070804068880974	--
0	TANTALUM	Seed		0.04	-0.10540925533894623	--
0	THORIUM	Seed		0.3	0.6864064729836441	--
4	TIN	Seed		3.2	-0.18680434662116088	--
0	TITANIUM	Shoot	0.7	45.0	-1.4312383379514844	--
0	TITANIUM	Seed		4.3	-0.49850399694221337	--
0	TUNGSTEN	Seed		0.04	-0.8521705044064057	--
16	VANADIUM	Seed		0.01	-0.5814082457706883	--
0	YTTERBIUM	Seed		0.1	-0.2826900050957917	--
0	YTTERBIUM	Shoot	0.05	0.9	0.8913950022461588	--
0	YTTRIUM	Shoot	0.5	13.5	-1.0	--
77	ZINC	Shoot	7.0	342.0	0.1329615594228307	--
77	ZINC	Seed		46.0	0.024641236256363018	--
0	ZIRCONIUM	Shoot	0.5	2.7	-0.8855323563459465	--