

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**Chemicals Found in *Carya illinoensis***

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	3,4-DIHYDROXYBENZOIC-ACID	Plant	--	--		
5	ALUMINUM	Seed	11	11	-0.34533998793343856	
0	ANTIMONY	Seed	0.2	0.2	1.1721735200704761	
0	ARACHIDIC-ACID	Leaf	--	--		
2	ARSENIC	Seed	0.02	0.02	-0.6237689826185465	
112	ASCORBIC-ACID	Seed	20	21	-0.32584931994831046	
0	ASH	Seed	16000	17000	-0.9288006312090696	
0	AZALEATIN	Plant	--	--		
0	AZALEATIN-3-ARABINOSIDE	Plant	--	--		
0	AZALEATIN-3-RUTINOSIDE	Plant	--	--		
0	BARIUM	Seed	14	14	-0.2565348698369248	
53	BETA-CAROTENE	Seed	0.13	0.83	-0.3774258912835282	
4	BORON	Seed	6.5	7.6	-0.7832189198844908	
0	BROMINE	Seed	1.5	1.5	-0.47554156401105613	
3	CADMIUM	Seed	0.03	0.03	-0.33359741952043553	
28	CALCIUM	Seed	618	763	-0.6213917180609437	
0	CAPROLIC-ACID	Leaf	--	--		
0	CARBOHYDRATES	Seed	130000	191637	-1.318502274810157	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CARYATIN	Plant	--	--		
0	CARYATIN-3'-GLUCOSIDE	Plant	--	--		
43	CATECHIN	Plant	--	--		
0	CESIUM	Seed	0.3	0.3	0.2541805734849133	
7	CHLORINE	Seed	46	46	-0.6448004562496993	
24	CHROMIUM	Seed	0.3	0.3	-0.638807250662978	
2	COBALT	Seed	0.4	0.4	-0.1885954172151604	
12	COPPER	Seed	15	15	0.01682814208698858	
0	EUROPIUM	Seed	0.02	0.02	-0.52726637982005	
0	FAT	Seed	712000	753000	2.568428975498706	
15	FIBER	Seed	22000	24000	-0.8747285041128544	
0	FLUORINE	Seed	1.6	1.6	0.0666955792229782	
3	GOLD	Seed	0.001	0.001	-0.5388159060803251	
0	HAFNIUM	Seed	0.1	0.1	0.6236095644623241	
12	IODINE	Seed	0.1	0.1	-0.2691124755165415	
6	IRON	Seed	24	73	-0.3614505917963187	
0	KILOCALORIES	Seed	6670	7180	1.8166738848733497	
0	LANTHANUM	Seed	0.02	0.02	-0.6239177481057772	
7	LAURIC-ACID	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	LEAD	Seed	0.3	0.3	-0.6204106777053475	
27	LINOLEIC-ACID	Leaf	--	--		
0	LINOLENIC-ACID	Leaf	--	--		
0	LUTETIUM	Seed	0.01	0.01	0.06665021185544043	
0	M-INOSITOL	Plant	--	--		
65	MAGNESIUM	Seed	980	980	-0.776794758193499	
14	MANGANESE	Seed	30	30	-0.2929994032843147	
1	MERCURY	Seed	0.1	0.1	-0.12385851994600533	
2	MOLYBDENUM	Plant	--	--		
6	MYRISTIC-ACID	Leaf	--	--		
39	NIACIN	Seed	8.9	9.3	-1.0053685586161643	
3	NICKEL	Seed	1.6	1.6	-0.6029506276204398	
18	OLEIC-ACID	Leaf	--	--		
13	PALMITIC-ACID	Leaf	--	--		
11	PANTOTHENIC-ACID	Seed	17	18	0.13162088067496297	
0	PHLOROGLUCIN	Plant	--	--		
4	PHOSPHORUS	Seed	2890	3340	-0.5320468037884584	
2	PHYTOSTEROLS	Leaf	--	--		
14	POTASSIUM	Seed	3971	6242	-0.556511312840618	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROTEIN	Seed	92000	97000	-1.2168718643063718	
2	QUERCETIN-3'-GLUCOSIDE	Plant	--	--		
0	QUERCETIN-3,5-DIMETHYLETHER	Plant	--	--		
0	QUERCETIN-5-METHYLETHER	Plant	--	--		
15	RIBOFLAVIN	Seed	1.1	1.3	-0.8524404354795608	
0	RUBIDIUM	Seed	22	22	0.46631078117605423	
0	SAMARIUM	Seed	0.06	0.06	0.710270585715567	
0	SCANDIUM	Seed	0.004	0.004	-0.18931780747591662	
60	SELENIUM	Seed	0.02	0.02	-0.2635767939811563	
4	SILICON	Seed	200	200	-0.8417863772053875	
1	SODIUM	Seed	--	31	-0.6665064467973292	
8	STEARIC-ACID	Leaf	--	--		
0	STRONTIUM	Seed	2.5	2.5	-0.7615304756028449	
14	SULFUR	Seed	800	800	-0.9812798571131076	
0	TANTALUM	Seed	0.1	0.1	1.7919573407620824	
31	THIAMIN	Seed	7.2	8.9	0.5525237456466752	
0	THORIUM	Seed	0.1	0.1	-1.0786387432600122	
4	TIN	Seed	1.8	1.8	-0.39709066551927835	
0	TITANIUM	Seed	2.8	2.8	-0.5523221676535869	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TUNGSTEN	Seed	0.05	0.05	-0.7079570344299371	
16	VANADIUM	Seed	0.01	0.01	-0.5814082457706883	
0	VIT-B-6	Seed	1.8	2	-1.1579546506719107	
0	WATER	Seed	30000	50540	-0.6794803202416455	
0	YTTERBIUM	Seed	0.03	0.03	-0.3399091868501206	
77	ZINC	Seed	56	56	0.30854321971223847	