

**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	
2	ARSENIC	Seed	0.02	0.02	-0.6237689826185465	
112	ASCORBIC-ACID	Seed	20	21	-0.32584931994831046	
53	BETA-CAROTENE	Seed	0.13	0.83	-0.3774258912835282	
4	BORON	Seed	6.5	7.6	-0.7832189198844908	
3	CADMIUM	Seed	0.03	0.03	-0.33359741952043553	
28	CALCIUM	Seed	618	763	-0.6213917180609437	
43	CATECHIN	Plant	--	--		
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	
15	FIBER	Seed	22000	24000	-0.8747285041128544	
3	GOLD	Seed	0.001	0.001	-0.5388159060803251	
12	IODINE	Seed	0.1	0.1	-0.2691124755165415	
6	IRON	Seed	24	73	-0.3614505917963187	
7	LAURIC-ACID	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
27	LINOLEIC-ACID	Leaf	--	--		
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	
4	PHOSPHORUS	Seed	2890	3340	-0.5320468037884584	
2	PHYTOSTEROLS	Leaf	--	--		
14	POTASSIUM	Seed	3971	6242	-0.556511312840618	
2	QUERCETIN-3'-GLUCOSIDE	Plant	--	--		
15	RIBOFLAVIN	Seed	1.1	1.3	-0.8524404354795608	
60	SELENIUM	Seed	0.02	0.02	-0.2635767939811563	
4	SILICON	Seed	200	200	-0.8417863772053875	
1	SODIUM	Seed	--	31	-0.6665064467973292	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	STEARIC-ACID	Leaf	--	--		
14	SULFUR	Seed	800	800	-0.9812798571131076	
31	THIAMIN	Seed	7.2	8.9	0.5525237456466752	
4	TIN	Seed	1.8	1.8	-0.39709066551927835	
16	VANADIUM	Seed	0.01	0.01	-0.5814082457706883	
77	ZINC	Seed	56	56	0.30854321971223847	