

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Pyrus communis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
8	AMYGDALIN	Seed				--
1	METHYL-ETHYL-KETONE	Plant				--
2	QUERCETIN-3'-GLUCOSIDE	Plant				--
0	CIS-ISOCHLOROGENIC-ACID	Plant				--
0	6-O-ACETYLRBUTIN	Plant				--
0	TRANS-2-DECADIENIC-ACID-ETHYL-ESTER	Plant				--
32	HYDROQUINONE	Plant				--
0	BETA-PYRUFURAN	Plant				--
0	FLUORINE	Fruit				--
14	SHIKIMIC-ACID	Fruit				--
0	KAEMPFEROL-3-ARABINOSIDE	Plant				--
0	CIS-CHLOROGENIC-ACID	Plant				--
0	4-HYDROXYMETHYLPROLINE	Fruit				--
0	TRANS-2,TRANS-4-DECADIENIC-ACID-METHYL-ESTER	Plant				--
0	BETA-PHENYLETHYLAMINE	Fruit				--
89	URSOLIC-ACID	Fruit				--
0	KAEMPFEROL-3-O-RUTINOSIDE	Plant				--
0	CIS-4-DECADIENIC-ACID-METHYL-ESTER	Plant				--
0	4'-DIHYDROPHASEIC-ACID	Seed				--
0	TRANS-2,TRANS-4-DECADIENIC-ACID-ETHYL-ESTER	Plant				--
5	HEXANAL	Plant				--
0	ALPHA-PYRUFURAN	Plant				--
0	KAEMPFEROL-3-O-GLUCOSIDE	Plant				--
0	CIS-4-DECADIENIC-ACID-ETHYL-ESTER	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	MALIC-ACID	Fruit				--
0	EPIFRIEDELIN	Fruit				--
0	TRANS-P-COUMAROYLQUINIC-ACID	Plant				--
2	PROPIONALDEHYDE	Plant				--
0	KAEMPFEROL-3-0-GALACTOSIDE	Plant				--
40	EPICATECHIN	Plant				--
0	TRANS-NEOCHLOROGENIC-ACID	Plant				--
0	ISORHAMNETIN-3-RHAMNOSYLGLUCOSIDE	Plant				--
0	GIBBERELLIN-A-45	Seed				--
0	ACETYLARBUTIN	Plant				--
43	CATECHIN	Plant				--
0	CYANIDIN-3-GALACTOSIDE	Epidermis				--
0	TRANS-ISOCHLOROGENIC-ACID	Plant				--
1	ISORHAMNETIN-3-RHAMNOSYLGALACTOSIDE	Plant				--
0	GIBBERELLIN-A-25	Seed				--
3	ACETONE	Plant				--
1	QUINIC-ACID	Fruit				--
0	TRANS-CHLOROGENIC-ACID	Plant				--
1	ISORHAMNETIN-3-GLUCOSIDE	Plant				--
0	QUERCETIN-3-ARABINOSIDE	Plant				--
0	ACETIC-ACID-ISOBUTYL-ESTER	Plant				--
0	TRANS-CAFFEYOYLCALLERYANIN	Plant				--
2	FRIEDELIN	Fruit				--
0	QUERCETIN-3-0-RUTINOSIDE	Plant				--
23	CITRIC-ACID	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
16	ACETIC-ACID	Plant				--
0	TRANS-CAFFEOYLARBUTIN	Plant				--
0	PHLORORRHIZIN	Plant				--
3	ISOAMYL-ALCOHOL	Plant				--
0	BROMINE	Fruit				--
12	FORMALDEHYDE	Plant				--
15	ARBUTIN	Plant				--
0	METHYL-N-PROPYL-KETONE	Plant				--
0	QUERCETIN-3-O-GALACTOSIDE	Plant				--
0	CIS-P-COUMAROYLQUINIC-ACID	Plant				--
3	ABSCISSIC-ACID	Seed				--
0	TRANS-2-DECADIENIC-ACID-METHYL-ESTER	Plant				--
60	SELENIUM	Fruit	0.0	0.001	-0.38593926060279093	--
1	MERCURY	Fruit	0.0	0.019	0.05424406423326892	--
3	SILVER	Fruit	0.015	0.037	-0.6387047560952794	--
2	ARSENIC	Fruit	0.001	0.06	-0.46003213545175	--
2	COBALT	Fruit	0.015	0.111	-0.5216776399703826	--
3	CADMIUM	Fruit	0.0	0.125	-0.27625912541506903	--
11	LITHIUM	Fruit	0.06	0.185	-0.8283852385881744	--
2	MOLYBDENUM	Fruit	0.1	0.26	-0.43313022763718506	--
15	FOLACIN	Fruit	0.06	0.5	-0.6321635035861631	--
16	VANADIUM	Fruit	0.225	0.555	-0.7630623330984586	--
24	CHROMIUM	Fruit	0.002	0.555	-0.42967895560116026	--
0	VIT-B-6	Fruit	0.1	1.1	-1.1945433268117496	--
0	LEAD	Fruit	0.02	1.11	-0.42466595939813645	--
3	NICKEL	Fruit	0.1	1.11	-0.44188729752795103	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	ZIRCONIUM	Fruit	0.3	1.11	-0.4999574077225618	--
31	THIAMIN	Fruit	0.2	1.2	-0.5290087074554676	--
53	BETA-CAROTENE	Fruit	0.17	1.7	-0.14751455975991998	--
15	RIBOFLAVIN	Fruit	0.4	2.4	-0.5588248872268227	--
11	PANTOTHENIC-ACID	Fruit	0.7	4.0	-0.8996713902808875	--
14	MANGANESE	Fruit	0.3	5.55	-0.3669415139513493	--
39	NIACIN	Fruit	1.0	6.0	-0.7312188482468254	--
0	TITANIUM	Fruit	0.075	7.4	-0.5863758384594244	--
0	BARIUM	Fruit	0.045	11.0	-0.7389074722462946	--
15	LUTEIN	Fruit	1.0	11.0	0.11566804401422677	--
12	COPPER	Fruit	0.45	11.1	-0.1337851946623192	--
0	STRONTIUM	Fruit	0.45	18.5	-0.8028964376336575	--
4	SILICON	Fruit	2.0	20.0	-0.5434634680636954	--
0	RUBIDIUM	Fruit	1.6	20.0	0.07314523441279815	--
77	ZINC	Fruit	0.15	26.6	-0.11136430789520253	--
176	QUERCETIN	Pericarp		28.0	-1.0	--
32	ALPHA-TOCOPHEROL	Fruit	0.6	31.0	-0.6444565233542005	--
6	IRON	Fruit	0.9	37.0	-0.38071915500347153	--
15	ALPHA-LINOLENIC-ACID	Fruit	10.0	62.0	-1.124389965719503	--
0	GADOLEIC-ACID	Fruit	10.0	62.0	-1.0	--
4	BORON	Fruit	1.0	82.0	0.8470650414875213	--
5	ALUMINUM	Fruit	1.0	105.0	-0.19297463623746963	--
2	PALMITOLEIC-ACID	Fruit	20.0	124.0	-0.32276745123995193	--
8	TYROSINE	Fruit	30.0	185.0	-0.9255976139912376	--
7	HISTIDINE	Fruit	40.0	247.0	-1.0275681999208637	--
2	CYSTINE	Fruit	40.0	247.0	-0.8181265143875884	--
112	ASCORBIC-ACID	Fruit	40.0	250.0	-0.2689447572913547	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
14	SULFUR	Fruit	3.0	300.0	-0.7757217535077505	--
15	METHIONINE	Fruit	50.0	309.0	-0.7998389036436195	--
1	SODIUM	Fruit	0.0	407.0	-0.14535543354963046	--
14	ARGININE	Fruit	70.0	432.0	-1.0343443336874272	--
2	PHYTOSTEROLS	Fruit	80.0	494.0	-0.5814981663503648	--
4	THREONINE	Fruit	100.0	618.0	-0.9975356379234878	--
12	GLYCINE	Fruit	110.0	679.0	-1.1317268381596062	--
0	PROLINE	Fruit	110.0	679.0	-0.9137477131630594	--
3	ISOLEUCINE	Fruit	110.0	679.0	-0.8886622999661409	--
3	ALANINE	Fruit	130.0	803.0	-1.1415501693639125	--
3	VALINE	Fruit	140.0	865.0	-0.7403034668988582	--
1	SERINE	Fruit	140.0	865.0	-0.9807777496230227	--
4	LYSINE	Fruit	140.0	865.0	-0.8415918629684312	--
13	PALMITIC-ACID	Fruit	170.0	1050.0	-0.3491893306990064	--
65	MAGNESIUM	Fruit	54.0	1110.0	-0.47219740437894164	--
2	LEUCINE	Fruit	200.0	1235.0	-0.8218979159147392	--
4	PHOSPHORUS	Fruit	90.0	1332.0	-0.5722441370544421	--
0	SFA	Fruit	220.0	1359.0	-0.349297856789196	--
8	GLUTAMIC-ACID	Fruit	280.0	1729.0	-0.8956208835154862	--
28	CALCIUM	Fruit	68.0	1776.0	-0.48004766791955195	--
0	NITROGEN	Fruit	480.0	3000.0	-0.8149297983658592	--
3	ASPARTIC-ACID	Fruit	770.0	4756.0	-0.7097675113332824	--
18	OLEIC-ACID	Fruit	810.0	5003.0	-0.4421853644416697	--
13	MUFA	Fruit	840.0	5188.0	-0.1784771699632949	--
27	LINOLEIC-ACID	Fruit	930.0	5744.0	-0.2743607436161528	--
4	PUFA	Fruit	940.0	5806.0	-0.42388622918087854	--
14	POTASSIUM	Fruit	1200.0	11250.0	-0.5898100538395515	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
102	CAFFEIC-ACID	Fruit	43.0	19700.0	3.3083378697649026	--
0	PROTEIN	Fruit	3690.0	25400.0	-1.1273774982365652	--
0	FAT	Fruit	2790.0	32198.0	-0.39532635570867286	--
0	ASH	Fruit	2720.0	40000.0	-0.4315138599096578	--
24	PECTIN	Fruit		40000.0	-0.15534295636880713	--
15	FIBER	Fruit	14000.0	86473.0	-0.5209256412482612	--
0	WATER	Fruit	817000.0	891000.0	0.5236159695919446	--
0	CARBOHYDRATES	Fruit	151000.0	933292.0	0.8043212896374167	--