

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Prunus domestica*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	ALANINE	Fruit	290.0	1959.0	-0.6872096647040113	USDA's Ag Handbook 8 and sequelae)
32	ALPHA-TOCOPHEROL	Fruit	8.0	62.0	-0.16729415314942792	--
5	ALUMINUM	Fruit	1.0	255.0	-0.1493363881743824	--
8	AMYGDALIN	Seed		25000.0	-0.48567616067806124	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	ARGININE	Fruit	130.0	878.0	-0.9153794296642861	USDA's Ag Handbook 8 and sequelae)
2	ARSENIC	Fruit	0.001	0.51	0.11665571343117484	--
112	ASCORBIC-ACID	Fruit	86.0	699.0	-0.24102728755586394	USDA's Ag Handbook 8 and sequelae)
3	ASPARTIC-ACID	Fruit	2490.0	16824.0	0.8756786146469363	USDA's Ag Handbook 8 and sequelae)
53	BETA-CAROTENE	Fruit	1.4	43.0	-0.06768240387130633	--
47	BETA-SITOSTEROL	Fruit	60.0	600.0	-0.005912464248786014	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
4	BORON	Fruit	1.0	255.0	4.330210256273393	--
3	CADMIUM	Fruit	0.001	0.068	-0.4437779567837812	--
102	CAFFEIC-ACID	Plant				--
28	CALCIUM	Fruit	38.0	2040.0	-0.41912692938201646	--
77	CHLOROGENIC-ACID	Fruit				Jim Duke's personal files.
24	CHROMIUM	Fruit	0.005	1.19	-0.3404880474798064	--
23	CITRIC-ACID	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	COBALT	Fruit	0.005	0.34	-0.49395506957206337	--
12	COPPER	Fruit	0.33	34.0	1.6485090782726148	--
7	CYANIDIN	Plant				--
2	CYSTINE	Fruit	40.0	270.0	-0.794133960911505	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
61	FERULIC-ACID	Fruit				Jim Duke's personal files.
15	FIBER	Seed		122000.0	-0.10090376651793666	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	FIBER	Fruit	6000.0	40540.0	-0.9543715091030212	USDA's Ag Handbook 8 and sequelae)
15	FOLACIN	Fruit	0.019	0.167	-0.768243001115215	USDA's Ag Handbook 8 and sequelae)
8	FRUCTOSE	Fruit	27000.0	61000.0	0.05243785755490293	USDA's Ag Handbook 8 and sequelae)
7	GLUCOSE	Fruit	30000.0	62000.0	-0.237070496896815	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
8	GLUTAMIC-ACID	Fruit	370.0	2500.0	-0.8356206533798067	USDA's Ag Handbook 8 and sequelae)
12	GLYCINE	Fruit	120.0	811.0	-1.0806642206860306	USDA's Ag Handbook 8 and sequelae)
9	HCN	Seed		500.0	-0.38562126331215646	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
7	HISTIDINE	Fruit	130.0	878.0	-0.5851615282591455	USDA's Ag Handbook 8 and sequelae)
6	IRON	Fruit	0.8	85.0	-0.19031609195369079	--
4	ISOCHLOROGENIC-ACID	Fruit				Jim Duke's personal files.
3	ISOLEUCINE	Fruit	160.0	1081.0	-0.7679236033265786	USDA's Ag Handbook 8 and sequelae)
5	KAEMPFERIDE	Wood				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
75	KAEMPFEROL	Wood				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
7	LAURIC-ACID	Seed	3510.0	3780.0	-0.47843221116213885	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
20	LECITHIN	Seed		1500.0	-0.6984310816325906	USDA's Ag Handbook 8 and sequelae)
2	LEUCINE	Fruit	210.0	1419.0	-0.7827816849024111	USDA's Ag Handbook 8 and sequelae)
27	LINOLEIC-ACID	Seed	54600.0	83160.0	-0.2053104796471306	--
27	LINOLEIC-ACID	Fruit	1340.0	9054.0	-0.22766166484399425	USDA's Ag Handbook 8 and sequelae)
11	LITHIUM	Fruit	0.088	0.68	-0.20051020792681978	--
15	LUTEIN	Fruit	2.4	24.0	1.238963819500432	--
4	LYSINE	Fruit	170.0	1149.0	-0.7680376728647491	USDA's Ag Handbook 8 and sequelae)
65	MAGNESIUM	Fruit	68.0	3400.0	0.5882056441128131	--
15	MALIC-ACID	Fruit		15000.0	0.024800410439220405	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	MANGANESE	Fruit	0.22	25.5	-0.23539381642326695	--
1	MERCURY	Fruit	0.0	0.013	-0.22601693430528877	--
15	METHIONINE	Fruit	60.0	405.0	-0.6816215512144603	USDA's Ag Handbook 8 and sequelae)
2	MOLYBDENUM	Fruit	0.1	1.7	-0.14452250402230155	--
13	MUFA	Fruit	4060.0	27432.0	0.14536086839393333	USDA's Ag Handbook 8 and sequelae)
6	MYRISTIC-ACID	Seed	14820.0	15960.0	-0.08707301475681413	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	NEO-CHLOROGENIC-ACID	Fruit				Jim Duke's personal files.
2	NEOXANTHIN	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
39	NIACIN	Fruit	5.0	34.0	-0.35690744058960266	USDA's Ag Handbook 8 and sequelae)
3	NICKEL	Fruit	0.03	1.7	-0.26245611683869374	--
18	OLEIC-ACID	Seed	254280.0	306600.0	1.5413318078145604	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
18	OLEIC-ACID	Fruit	4000.0	27027.0	-0.27243901876184246	USDA's Ag Handbook 8 and sequelae)
25	P-COUMARIC-ACID	Fruit				Jim Duke's personal files.
13	PALMITIC-ACID	Seed	2340.0	2520.0	-0.6476052728673493	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
13	PALMITIC-ACID	Fruit	410.0	2770.0	-0.3224125682450592	USDA's Ag Handbook 8 and sequelae)
2	PALMITOLEIC-ACID	Fruit	50.0	338.0	-0.2836544623771857	USDA's Ag Handbook 8 and sequelae)
11	PANTOTHENIC-ACID	Fruit	1.8	13.0	-0.32559401031592866	USDA's Ag Handbook 8 and sequelae)
24	PECTIN	Fruit	8000.0	40000.0	-0.15534295636880713	--
7	PHENYLALANINE	Fruit	170.0	1149.0	-0.7549264203755145	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Fruit	70.0	4080.0	0.26243280144802444	--
5	PHYLLOQUINONE	Fruit		0.08	-0.2204624252068342	--
2	PHYTOSTEROLS	Sprout Seedling	70.0	700.0	-1.2661611001545428	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
14	POTASSIUM	Fruit	1677.0	44200.0	2.3253958939761827	--
4	PUFA	Fruit	1340.0	9054.0	-0.19136931525983306	USDA's Ag Handbook 8 and sequelae)
176	QUERCETIN	Plant				--
1	QUINIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	RIBOFLAVIN	Fruit	0.9	6.5	0.3192583523081722	USDA's Ag Handbook 8 and sequelae)
7	SALICYLATES	Fruit	1.0	70.0	-0.13601954960792303	--
60	SELENIUM	Fruit	0.0	0.013	-0.38296354387544557	--
1	SERINE	Fruit	200.0	1351.0	-0.8091946012008524	USDA's Ag Handbook 8 and sequelae)

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26	SEROTONIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	SILICON	Fruit	2.0	62.0	-0.4070066241581148	ACTA AGRIC SCAND SUPPL 22: 1980
3	SILVER	Fruit	0.022	0.51	0.7044537751050876	--
1	SODIUM	Fruit	0.0	54.0	-0.17883002710316093	--
8	STEARIC-ACID	Seed	16380.0	17640.0	-0.18266194043994524	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
8	STEARIC-ACID	Fruit	90.0	608.0	-0.2389000914701178	USDA's Ag Handbook 8 and sequelae)
7	SUCCINIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	SUCROSE	Fruit	7000.0	48000.0	-0.406483422316692	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
14	SULFUR	Fruit	4.0	400.0	-0.7061235444004158	--
35	TANNIN	Bark		68000.0	-0.6393311423437816	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	TARTARIC-ACID	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
31	THIAMIN	Fruit	0.4	2.9	-0.3113997116946362	USDA's Ag Handbook 8 and sequelae)
4	THREONINE	Fruit	160.0	1081.0	-0.8050701430896549	USDA's Ag Handbook 8 and sequelae)
4	TRYPTAMINE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

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11	TYRAMINE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	TYROSINE	Fruit	60.0	405.0	-0.8344353289838745	USDA's Ag Handbook 8 and sequelae)
3	VALINE	Fruit	190.0	1284.0	-0.6538521980497439	USDA's Ag Handbook 8 and sequelae)
77	ZINC	Fruit	0.66	131.0	3.029601293744294	--