

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Rumex crispus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CARBOHYDRATES	Root	142378.0	554000.0	-3.5427846998775268	--
0	PROTEIN	Root	52171.0	203000.0	0.9498686374714254	--
0	CARBOHYDRATES	Leaf	41000.0	554000.0	-0.46005613228091163	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ASH	Root	39321.0	153000.0	2.4398154255721667	--
0	ANTHRAQUINONE-GLYCOSIDES	Root	30000.0	40000.0		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
35	TANNIN	Root	30000.0	60000.0	-0.5127851732786817	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ASH	Leaf	15000.0	202703.0	1.4773571005914035	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	PROTEIN	Leaf	15000.0	202703.0	-0.09120077587534875	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	FAT	Root	10537.0	41000.0	0.6042824195577983	--
15	FIBER	Leaf	9000.0	121612.0	-0.49369269018055495	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
9	OXALIC-ACID	Leaf	5170.0	6970.0	-0.27188196013037735	--
14	POTASSIUM	Root	3135.0	12200.0	-0.2620507787874568	--
0	FAT	Leaf	3000.0	40540.0	-0.3172765151292323	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
28	CALCIUM	Root	2570.0	10000.0	0.28443978784453666	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHOSPHORUS	Root	1945.0	7570.0	0.71201932133943	--
112	ASCORBIC-ACID	Root	1042.0	4054.0	1.6714731675349168	--
65	MAGNESIUM	Root	822.0	3200.0	0.33972442855294327	--
4	PHOSPHORUS	Leaf	560.0	7568.0	0.4777305488110486	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
112	ASCORBIC-ACID	Leaf	300.0	4054.0	-0.06776055551966105	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	KILOCALORIES	Shoot	210.0	2840.0	0.007907696313327906	--
5	PHYSICION	Root	164.0	4000.0	1.0	--
58	EMODIN	Root	150.0	2400.0	-0.6938264160823088	--
28	CALCIUM	Leaf	150.0	10000.0	-0.576492687191145	--
5	ALUMINUM	Root	100.0	390.0	-0.10322303938927345	--
6	CHRYSOPHANIC-ACID	Root	67.0	12000.0	1.0	--
53	BETA-CAROTENE	Root	58.0	225.0	1.0022815883368308	--
1	SODIUM	Root	20.0	77.0	-0.4769201319309615	--
6	IRON	Root	20.0	76.0	-0.3312411280414321	--
39	NIACIN	Root	14.0	54.0	0.10900563169495592	--
53	BETA-CAROTENE	Leaf	10.38	140.0	-0.5282466367528253	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
4	TIN	Root	6.0	24.0	0.7637747609302243	--
39	NIACIN	Leaf	4.0	54.0	-0.5291254900954042	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
14	MANGANESE	Root	4.0	14.5	-0.3727298714897241	--
15	RIBOFLAVIN	Root	3.0	10.8	1.4718133345057491	--
0	THIAMINE	Root	2.0	8.1	0.7786505652930988	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	COBALT	Root	1.0	3.5	-0.46924094925342386	--
15	RIBOFLAVIN	Leaf	0.8	10.8	-0.127236678560329	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
31	THIAMIN	Leaf	0.6	8.1	-0.04265172097809442	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
60	SELENIUM	Root	0.6	2.5	-0.18461140397934853	--
4	SILICON	Root	0.3	1.3	-0.33693296117609356	--
58	EMODIN	Shoot		38.0		--
0	EMODIN-8-O-BETA-D-GLUCOSIDE	Stem				--
10	CHRYSOPHANOL	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
0	WATER	Root		743000.0	-0.1717798205218646	--
30	HYPEROSIDE	Leaf				--
5	PHYSCION	Seed		41.0	-1.0	--
7	AVICULARIN	Leaf				--
58	EMODIN	Rhizome				--
58	EMODIN	Seed		164.0	-1.0	--
0	OXYMETHYLANTHRAQUINONE	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	CHRYSOPHANIC-ACID-9-ANTHRONE	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	WATER	Leaf		926000.0	0.5905074771129576	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	GLUCOSE	Leaf				--
0	NEPOSIDE	Root				--
0	CHRYSOPHANEIN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	DODECAN-1-OL	Essential Oil		92000.0		--
9	OXALIC-ACID	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	CATECHOL-TANNINS	Plant		50000.0		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
1	GALACTOSE	Leaf				--
2	NEPODIN	Shoot		116.0		--
0	RHEOCHRYSIN	Root				--
24	CHROMIUM	Root		0.0	-0.5599381470689592	--
0	1,2-DIACETIN	Essential Oil		226000.0		--
31	THIAMIN	Root		8.1	0.12681192462614532	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
15	FIBER	Root		122000.0	0.7525981978906366	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
44	QUERCITRIN	Leaf				--
2	NEPODIN	Seed		498.0		--
7	CYANIDIN	Plant				--
176	QUERCETIN	Leaf				--
0	HEX-CIS-3-EN-1-OL	Essential Oil		111000.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	CHRY SOPH ANIC-ACID	Seed		280.0	-1.0	--
2	NEPODIN	Root		1660.0		--
0	ANTHRAQUINONE	Plant				--
0	FIBER(DIETARY)	Root		274000.0	-1.3588904216902657	--
0	CALCIUM-MALEATE	Leaf				--
0	GLUCOFRANGULIN-B	Root				--
6	CHRY SOPH ANIC-ACID	Shoot		56.0		--
0	FIBER(CRUDE)	Root		122000.0	0.3171910897303088	--
0	CALCIUM-ACETATE	Leaf				--
0	FRANGULIN-A	Root				--
6	CHRY SOPH ANIC-ACID	Rhizome				--
0	1,8-DIHYDROXY-3-METHYL-9-ANTHRONE	Root		3000.0		--
2	ERUCIC-ACID	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	EMODIN-8-O-BETA-D-GLUCOSIDE	Fruit				--
30	(+)-CATECHIN	Plant				--
0	LAPATINIC-ACID	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
38	(-)-EPICATECHIN	Plant				--
0	EMODIN-8-O-BETA-D-GLUCOSIDE	Leaf				--
6	ANTHRAQUINONES	Root		20000.0	-0.31470690913390237	--
47	BETA-SITOSTEROL	Root				--
87	RUTIN	Leaf				--
0	EMODIN-8-O-BETA-D-GLUCOSIDE	Root				--
77	ZINC	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	PHYSCION	Shoot		8.0		--
5	RUMICIN	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CHRYSOPHANIN	Root				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.