

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Ulmus rubra

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
31	THIAMIN	Bark		5.0	2.1636579972822734	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
39	NIACIN	Bark	33.0	200.0	2.104604179683411	--
5	STARCH	Bark	13120.0	210000.0	1.8603586442275013	--
0	FIBER(DIETARY)	Bark		586000.0	1.506664728341349	--
0	PENTOSANS	Bark	120000.0	180000.0	1.0	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	MUCILAGE	Bark	41000.0	350000.0	1.0	--
0	SUGARS	Bark	14760.0	90000.0	0.9622504486493763	--
53	BETA-CAROTENE	Bark	4.0	25.0	0.7778259438536158	--
0	PROTEIN	Bark	15908.0	97000.0	0.6596597557889142	--
0	WATER	Bark		836000.0	0.6561250321199624	--
0	THIAMINE	Bark	0.8	5.0	0.5000000000000001	--
0	CARBOHYDRATES	Bark	134316.0	819000.0	0.4253002673770889	--
4	TIN	Bark	2.6	16.0	0.4159231879939711	--
15	RIBOFLAVIN	Bark	0.7	4.1	0.31889318866969746	--
0	KILOCALORIES	Bark		2740.0	0.19097823438993944	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	ASH	Bark	12464.0	76000.0	-0.03696421978047823	--
60	SELENIUM	Bark	0.3	1.5	-0.4079856019036855	--
24	CHROMIUM	Bark	0.2	1.0	-0.48598491785883197	--
2	COBALT	Bark	0.3	1.8	-0.49763977280155086	--
1	SODIUM	Bark	1.6	10.0	-0.5262399113885332	--
14	MANGANESE	Bark	0.3	1.9	-0.6638645681955431	--
35	TANNIN	Bark	30000.0	65000.0	-0.6655743179937075	--
0	FIBER(CRUDE)	Bark		92000.0	-0.6733163495891362	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	POTASSIUM	Bark	444.0	2710.0	-0.7118794255547221	--
5	ALUMINUM	Bark	3.6	22.0	-0.7439000789249773	--
65	MAGNESIUM	Bark	95.0	580.0	-0.7978764763909307	--
0	FAT	Bark	1312.0	8000.0	-0.8086779671088092	--
4	PHOSPHORUS	Bark	36.0	220.0	-0.8274253906754868	--
28	CALCIUM	Bark	1602.0	9770.0	-0.8508922219141178	--
15	FIBER	Bark		92000.0	-0.9340975708942237	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
112	ASCORBIC-ACID	Bark		0.0	-1.0104899665727316	--
0	MANSONONE-C	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	SILICON	Bark				--
0	DOLICHOL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	D-GALACTOSE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	L-RHAMNOSE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
77	ZINC	Bark				--
1	CITROSTADIENOL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ALPHA-SITOSTEROL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
6	IRON	Bark				--

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0	7-HYDROXYCALAMENENE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	HEXOSAN	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	CHOLESTEROL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	7-HYDROXYCALAMENAL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
7	GLUCOSE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	5-ISOPROPYL-3,8-DIMETHYL-2-NAPTHOL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GALACTURONIC-ACID	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
34	SALICYLIC-ACID	Bark		23.0		Luo, W., Ang, C. Y. W., Schmitt, T. C., Betz, J. M. 1998. Determination of Salicin and Related Compounds in Botanical Dietary Supplements by Liquid Chromatography with Fluorescence Detection. J Aoac Int, 81(4): 757-762.
2	CAMPESTEROL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-HYDROXY-5-ISOPROPYL-8-METHYL-5,6,7,8-TETRAHYDRO-3-NAPTH...	Plant				--
8	FRUCTOSE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	PHYTOSTEROLS	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	METHYL-PENTOSAN	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-HYDROXY-5-ISOPROPYL-6-METHOXY-8-METHYL-3-NAPHTHALDEHYDE	Wood				--
4	CALCIUM-OXALATE	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.
47	BETA-SITOSTEROL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.