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*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Aconitum carmichaelii	Root	5000	10000	-0.4327405717312477	--
Aconitum napellus	Leaf	1200	9600	0.03543100449101999	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Aconitum napellus	Root	2000	15000	0.055990221499497214	--
Aethusa cynapium	Plant	2	3	-0.4410359683005982	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Alchornea floribunda	Root	12000	12000	-0.3349944130850987	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Aletris farinosa	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Anabasis aphylla	Plant	20000	20000	0.11536681453205533	--
Anisodus tanguticus	Root	26300	26300	0.3638906212348665	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Anisodus tanguticus	Sprout Seedling	29300	29300	1	--
Areca catechu	Seed	3000	6000	-0.5051505079246019	--
Argemone mexicana	Plant	1250	1250	-0.40633905025327516	--
Arundo donax	Plant	5000	5000	-0.301997877296209	--
Aspidosperma quebracho-blanco	Plant	3000	15000	-0.023754749410699463	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Atropa bella-donna	Leaf	1000	12000	0.19670161812625908	--
Atropa bella-donna	Root	4000	8800	-0.49138826691893706	--
Berberis vulgaris	Root Bark	--	--		Jim Duke's personal files.
Berberis vulgaris	Stem Bark	--	--		Jim Duke's personal files.
Berberis vulgaris	Bark	--	--		Jim Duke's personal files.
Berberis vulgaris	Root	--	30000	0.5447210147302421	--
Borago officinalis	Plant	2	98	-0.4383926585856858	--
Borago officinalis	Leaf	2	98	-0.6091138813378191	--
Borago officinalis	Seed	--	300	-0.8008331835428224	--
Brugmansia amesianum	Leaf	3000	3000	-0.4080631830058875	--
Brugmansia amesianum	Stem	3000	3000	-0.32067405254691705	--
Calendula officinalis	Plant	190000	190000	4.845499988585718	--
Capparis spinosa	Fruit	740	740	-0.734926011692987	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Capparis spinosa	Leaf	200	200	-0.5962122322469999	--
Carica papaya	Leaf	1300	1500	-0.5088573165279121	--
Caulophyllum thalictroides	Root	2200	8100	-0.5255994224450892	--
Cephaelis ipecacuanha	Root	20000	40000	1.033451807960987	--
Chelidonium majus	Plant	2500	22000	0.17101544010915726	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Chiococca alba	Root	--	--		Tramil
Cinchona pubescens	Bark	50000	150000	1.435390254524195	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Cinchona spp	Bark	50000	160000	1.591072494711201	--
Cinchona spp	Leaf	10000	10000	0.062309440096893175	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Cissampelos pareira	Root	7200	18000	-0.04175593714665177	--
Croton lechleri	Plant	--	--		Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
Cymbopogon citratus	Plant	--	3000	-0.35764650287331096	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cyperus rotundus	Root	2100	2400	-0.8041759745866138	--
Datura candida	Plant	3000	5500	-0.2880857209019336	--
Datura innoxia	Flower	5170	5170	0.014409551002979656	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Datura innoxia	Fruit	1200	7700	0.40070804004796146	--
Datura innoxia	Leaf	2500	5500	-0.2400729604691801	--
Datura innoxia	Root	3900	3900	-0.7308663556020021	--
Datura innoxia	Seed	2300	4400	-0.5881491537121726	--
Datura innoxia	Shoot	6010	6010	0.05666781419110804	--
Datura innoxia	Stem	3000	3000	-0.32067405254691705	--
Datura metel	Flower	1700	9800	1.3487339738788957	--
Datura metel	Fruit	890	2700	-0.415121020110766	--
Datura metel	Leaf	700	5500	-0.2400729604691801	--
Datura metel	Plant	900	5500	-0.2880857209019336	--
Datura metel	Root	1000	7000	-0.5793598097004712	--
Datura metel	Seed	1700	5900	-0.5103379232863251	--
Datura metel	Sprout Seedling	1900	1900	-1	--
Datura metel	Stem	300	4100	0.09334174299487726	--
Datura stramonium	Fruit	4600	4600	-0.10510597725044958	--
Datura stramonium	Leaf	2500	5100	-0.2669513960750533	--
Datura stramonium	Plant	1000	5000	-0.301997877296209	--
Datura stramonium	Root	2100	2100	-0.8188378983835362	--
Datura stramonium	Seed	5000	5000	-0.5570246615418336	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Datura stramonium	Stem	2500	2600	-0.4712252509257513	--
Duboisia myoporoides	Leaf	20000	20000	0.7342703302437227	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Elaeagnus angustifolia	Bark	2000	2000	-0.8687069002434933	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ephedra gerardiana	Plant	8000	14000	-0.051579062199250424	--
Ephedra sinica	Plant	8000	33000	0.4770828807832176	--
Ephedra spp	Plant	3000	15000	-0.023754749410699463	--
Eruca sativa	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Erythrina crista-galli	Seed	24000	45300	1.5335037292326028	--
Erythroxylum argentatum	Plant	2000	2000	-0.3854708156618619	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Erythroxylum coca	Leaf	2500	22500	0.9022605527804302	--
Erythroxylum mamacoca	Leaf	1100	1100	-0.5357357521337852	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Erythroxylum monogynum	Leaf	400	1100	-0.5357357521337852	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Erythroxyllum mucronatum	Leaf	100	200	-0.5962122322469999	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Erythroxyllum novogranatense	Leaf	14000	14000	0.331093796155625	--
Erythroxyllum shatoni	Leaf	1000	1000	-0.5424553610352535	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Erythroxyllum ulei	Leaf	100	100	-0.6029318411484682	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Erythroxyllum zambesiicum	Root Bark	2800	2800	-0.6381828971633494	--
Eschscholzia californica	Plant	600	2900	-0.36042893415216604	--
Eschscholzia californica	Root	--	27000	0.39810177676101866	--
Ficus carica	Fruit	500	500	-0.774085806580606	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
Ficus carica	Leaf	1700	2600	-0.43494161861176067	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
Ficus carica	Stem Bark	--	--		Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
Genista tinctoria	Shoot	3000	3000	-0.4068379486220311	--
Heimia salicifolia	Shoot	18000	18000	1.9029914341676988	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Heliotropium indicus	Plant	90	800	-0.4188599910081231	--
Holarrhena pubescens	Bark	2200	42000	-0.24597793949546942	--
Holarrhena pubescens	Flower	5500	5500	0.10951258762264539	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Holarrhena pubescens	Leaf	9700	9700	0.04215061339248829	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Holarrhena pubescens	Seed	18250	40000	1.258570715061275	--
Holarrhena pubescens	Stem	5200	5200	0.5073575385366715	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Huperzia spp	Plant	1000	9000	-0.19070062614200523	--
Hydrastis canadensis	Rhizome	18600	33800	1.3660977557517635	--
Hydrastis canadensis	Root	25000	42900	1.175183737997903	--
Hyoscyamus niger	Leaf	300	1700	-0.49541809872497533	--
Hyoscyamus niger	Root	1600	1600	-0.8432744380450734	--
Hyoscyamus niger	Seed	600	100	-0.8112080142662688	--
Jateorhiza palmata	Root	20000	43000	1.1800710459302104	--
Justicia adhatoda	Plant	4000	4000	-0.32982219008476	--
Latua pubiflora	Leaf	700	1850	-0.4853386853727729	--
Latua pubiflora	Seed	800	800	-0.7748961067342066	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Latua pubiflora	Stem	2400	5000	0.4320819393472544	--
Leonurus cardiaca	Plant	3500	3500	-0.3437343464790355	--
Lepidium meyenii	Root	--	--		--
Lobelia inflata	Plant	4800	4800	-0.30756273985391924	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Lophophora williamsii	Plant	50000	50000	0.9500961981885839	--
Lupinus albus	Seed	10000	27400	0.6049563794841558	--
Lycopodium clavatum	Pollen Or Spore	1000	2000		--
Lycopus europeus	Plant	2400	2400	-0.37434109054644155	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Maclura pomifera	Fruit	120	600	-0.7577692253774314	Smith, J. L. and Perino, J. V. 1981. Osage Orange (Maclura pomifera): History and Economic Uses. Economic Botany 35(1): 24-41
Mandragora officinarum	Root	3000	4000	-0.7259790476696946	--
Melia azedarach	Bark	400	400	-0.8936160586734141	--
Melia azedarach	Root	800	800	-0.882372901503533	--
Momordica charantia	Fruit	380	380	-0.7936657040244154	--
Moringa oleifera	Bark	--	1000	-0.8842751242621937	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Moringa oleifera	Root Bark	1000	1000	-0.7738595760878411	--
Nandina domestica	Seed	--	7000	-0.45327635430737023	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Narcissus tazetta	Leaf	2300	2300	-0.45510044531616556	--
Nerium oleander	Flower	10	10	-1.4726561125045208	--
Nerium oleander	Leaf	50	50	-0.6062916455992023	--
Nerium oleander	Stem	20	20	-1.4422804804692324	--
Nicotiana glauca	Fruit	12000	12000	1.102321031784467	--
Nicotiana glauca	Leaf	11000	11000	0.12950552911157612	--
Nicotiana tabacum	Leaf	40000	60000	3.422113890831041	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ocimum sanctum	Leaf	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ocimum tenuiflorum	Leaf	--	--		--
Papaver somniferum	Latex Exudate	50000	250000		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Passiflora edulis	Fruit	120	7000	0.2864919716257396	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Passiflora incarnata	Plant	250	300	-0.43277214740239855	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Passiflora incarnata	Shoot	100	300	-0.7302140622125931	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Pavonia spinifex	Plant	--	--		Tramil
Peumus boldus	Ay	2500	7000		--
Peumus boldus	Leaf	2500	7000	-0.13927882694715568	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Physostigma venenosum	Seed	3000	5000	-0.5570246615418336	--
Phytolacca americana	Fruit	22000	22000	2.733979152101922	--
Picrasma excelsa	Wood	700	700	-0.7376435333859727	--
Plantago major	Plant	1000	1000	-0.4132951284504129	--
Pluchea carolinensis	Leaf	--	--		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Portulaca oleracea	Leaf	300	300	-0.5894926233455317	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Pterocarpus marsupium	Wood	--	170	-1.01839834322049	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ptychopetalum olacoides	Wood	5000	5000	1.540178508667659	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Punica granatum	Root Bark	1000	30000	1.4120424732511911	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Punica granatum	Pericarp	--	1500		Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
Punica granatum	Stem Bark	1000	6000	-1	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Quassia amara	Wood	2500	2500	0.21586336793880323	--
Rauvolfia serpentina	Root	15000	24000	0.25148253879179516	--
Rauvolfia serpentina	Seed	1300	2000	-0.7126471223935286	--
Rauvolfia tetraphylla	Leaf	4000	18000	0.5998781522143568	--
Rauvolfia tetraphylla	Root	600	2000	-0.8237252063158436	--
Rauvolfia tetraphylla	Stem	1000	5000	0.4320819393472544	--
Rivea corymbosa	Seed	560	560	-0.7873459036023422	--
Sanguinaria canadensis	Root	18000	70000	2.499644187653222	--
Sassafras albidum	Root	200	200	-0.9116967490973776	--
Saussurea lappa	Root	500	500	-0.8970348253004553	--
Schoenocaulon officinale	Seed	10000	60000	2.2960537874059086	--
Scopolia carniolica	Rhizome	2000	8000	-1.0479654016725857	--
Sida rhombifolia	Root	540	540	-0.8950799021275323	--
Simarouba amara	Bark	5000	8000	-0.7752975561312897	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Solanum nigrum	Fruit	1010	1010	-0.6908712424444158	--
Solanum nigrum	Leaf	4310	4310	-0.3200363063966528	--
Solanum torvum	Fruit	3700	3700	-0.2519552080790205	--
Spermacoce assurgens	Shoot	300	300	-0.8226072375241823	Tramil
Stephania glabra	Root	60000	75000	2.744009584268594	--
Stephania glabra	Stem	10000	10000	2.313971919082683	--
Stephania japonica	Rhizome	25000	25000	0.5426963687233033	--
Stephania japonica	Root	27200	27200	0.4078763926256335	--
Stephania japonica	Stem	600	600	-1.2239812428199228	--
Strychnos nux-vomica	Bark	99000	99000	0.6414108295704646	--
Strychnos nux-vomica	Root	9900	9900	-0.4376278796635551	--
Strychnos nux-vomica	Seed	2500	50000	1.7773122512335917	--
Tabernanthe iboga	Leaf	8000	8000	-0.07208273793247273	--
Tabernanthe iboga	Root	55000	60000	2.010913394422477	--
Tabernanthe iboga	Stem Bark	20000	20000	1	--
Tabernanthe iboga	Seed	6000	8000	-0.40140220069013854	--
Tecoma stans	Leaf	4500	4500	-0.3072690494838631	--
Tecoma stans	Seed	4000	4000	-0.6088988151590652	--
Theobroma cacao	Seed	30000	40000	1.258570715061275	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Theobroma cacao	Leaf	--	10000	0.062309440096893175	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
Trigonella foenum-graecum	Seed	130	3000	-0.6607729687762969	--
Uncaria guianensis	Leaf	--	1400	-0.5155769254293804	Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
Valeriana officinalis	Root	500	2000	-0.8237252063158436	--
Veratrum album	Plant	13000	13000	-0.07940337498780138	--
Veratrum album	Rhizome	10000	10000	-0.8608287228024811	--
Vinca minor	Leaf	1100	70600	4.1343924343866805	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vinca minor	Root	12400	19800	0.04621560563488231	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vinca minor	Plant	--	--		--
Withania somnifera	Leaf	900	900	-0.5491749699367219	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Withania somnifera	Root	1300	4300	-0.7113171238727722	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Zea mays	Silk Stigma Style	--	500		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.