C MERCURY

Chemid

MERCURY

ubiquitous

Yes

*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
Acanthopanax gracilistylis	Root Bark	0.11	0.11		--
Albizia julibrissin	Bark	0.07	0.07	-0.5885278434107653	--
Alisma plantago-aquatica	Rhizome	0.01	0.01	-0.9636241116594312	--
Allium cepa	Bulb	0	0.001	-1	--
Amomum xanthioides	Seed	0.1	0.1	-0.12385851994600533	--
Anacardium occidentale	Seed	0.01	0.01	-0.6911494509964113	--
Anethum graveolens	Plant	0.003	0.06	-0.5009617770057098	ACTA AGRIC SCAND SUPPL 22: 1980
Apium graveolens	Root	0	0.027	-0.41503552911844144	ACTA AGRIC SCAND SUPPL 22: 1980
Arachis hypogaea	Seed	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Arctium lappa	Root	1.27	1.27	4.056631483285861	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Areca catechu	Seed	0.03	0.03	-0.5650847996518767	--
Armoracia rusticana	Root	--	0.001	-0.508569995990937	ACTA AGRIC SCAND SUPPL 22: 1980
Artemisia capillaris	Plant	0.05	0.05	-0.5015252885658961	--
Asiasarum heterotropoides	Root	0.19	0.19	0.17135362858220324	--
Asiasarum sieboldii	Root	0.19	0.19	0.17135362858220324	--
Asparagus lucidus	Root	0.01	0.01	-0.4761926805350732	--
Asparagus officinalis	Shoot	0.001	0.001	-1.4142135623730954	--
Bertholletia excelsa	Seed	0.01	0.01	-0.6911494509964113	Furr, A.K., et al. 1979
Beta vulgaris	Root	0	0.016	-0.45460780356449726	ACTA AGRIC SCAND SUPPL 22: 1980
Bletilla striata	Tuber	0.03	0.03	-1	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Brassica napus var. napobrassica	Root	0	0.01	-0.4761926805350732	ACTA AGRIC SCAND SUPPL 22: 1980
Brassica oleracea var. botrytis l.	Leaf	0.002	0.09	1.1722789664445759	--
Brassica oleracea var. botrytis l.	Flower	0	0.025	-0.9374693023756843	--
Brassica oleracea var. capitata l.	Leaf	0	0.013	-0.7852856690881739	--
Brassica oleracea var. italica	Leaf	0.002	0.09	1.1722789664445759	ACTA AGRIC SCAND SUPPL 22: 1980
Brassica pekinensis	Leaf	0	0.002	-1.0649377598785665	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Brassica rapa	Root	0.001	0.01	-0.4761926805350732	--
Broussonetia papyrifera	Fruit	0.06	0.06	1.96936088758008	--
Bupleurum chinense	Root	0.14	0.14	-0.00852034617259573	--
Capsicum annuum	Fruit	0.001	0.001	-0.7865389313824043	--
Carthamus tinctorius	Flower	0.02	0.02	-0.9956069335307655	--
Carya illinoensis	Seed	0.1	0.1	-0.12385851994600533	--
Celosia cristata	Flower	0.29	0.29	2.1438251488436184	--
Chaenomeles lagenaria	Fruit	0.05	0.05	1.5022592233491507	--
Chondrus crispus	Plant	7	7	-0.10988475423634798	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Cichorium endivia	Leaf	0.002	0.002	-1.0649377598785665	--
Cinnamomum aromaticum	Plant	--	60	2.8767265147515726	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Cinnamomum aromaticum	Bark	60	60	1.7318980549844427	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Cistanche salsa	Plant	0.08	0.08	-0.49983475388533694	--
Citrus paradisi	Fruit	0	0.001	-0.7865389313824043	--
Citrus reticulata	Fruit	--	0.001	-0.7865389313824043	ACTA AGRIC SCAND SUPPL 22: 1980
Citrus sinensis	Fruit	0	0.001	-0.7865389313824043	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cocos nucifera	Seed	0.1	0.1	-0.12385851994600533	Furr, A.K., et al. 1979
Corylus avellana	Seed	0.004	0.05	-0.439020148307342	--
Crataegus cuneata	Fruit	0.03	0.03	0.5680558948872912	--
Cucumis melo	Fruit	0.001	0.001	-0.7865389313824043	--
Cucumis sativus	Fruit	0	0.05	1.5022592233491507	--
Cynanchum atratum	Root	0.06	0.06	-0.2963187057802742	--
Daucus carota	Root	0.001	0.045	-0.35028089820671393	--
Dendrobium nobile	Stem	0.05	0.05	0.7071067811865479	--
Dioscorea bulbifera	Rhizome	0.02	0.02	-0.7412493166611009	--
Drynaria fortunei	Rhizome	0.06	0.06	0.14824986333222057	--
Equisetum hyemale	Plant	0.08	0.08	-0.49983475388533694	--
Eriobotrya japonica	Leaf	0.02	0.02	-0.6073252476761057	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Eucommia ulmoides	Bark	0.92	0.92	-0.5556167469042421	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Firmiana simplex	Seed	0.1	0.1	-0.12385851994600533	--
Fragaria spp	Fruit	0	0.009	-0.4128575999976608	ACTA AGRIC SCAND SUPPL 22: 1980
Fraxinus rhynchophylla	Bark	0.09	0.09	-0.5877534646694353	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Fritillaria thunbergii	Bulb	0.04	0.04	0.9999999999999998	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Fucus vesiculosus	Plant	40	40	1.7497033943787723	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Gastrodia elata	Rhizome	0.01	0.01	-0.9636241116594312	--
Hordeum vulgare	Sprout Seedling	0.07	0.07		Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Juglans cinerea	Seed	0.01	0.01	-0.6911494509964113	--
Juglans nigra	Seed	0.1	0.1	-0.12385851994600533	Furr, A.K., et al. 1979
Juncus effusus	Pith	1.41	1.41	1	--
Juniperus virginiana	Shoot	0	0.025	0.7071067811865476	--
Jussiaea repens	Plant	0.31	0.31	-0.48687398800104975	--
Lactuca sativa	Leaf	0	0.04	-0.09886690078448225	--
Lonicera japonica	Flower	0.03	0.03	-0.8793316712206032	--
Lophatherum gracile	Plant	0.02	0.02	-0.5032158232464553	--
Lycium chinense	Fruit	8	0.08	2.9035642160419393	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Lycopersicon esculentum	Fruit	0.001	0.002	-0.7398287649593115	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lycopodium clavatum	Plant	0.07	0.07	-0.5003982654455232	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Lygodium japonicum	Pollen Or Spore	0.55	0.55		--
Magnolia denudata	Flower	0.14	0.14	0.39969621419118306	--
Magnolia fargesii	Flower	0.14	0.14	0.39969621419118306	--
Magnolia kobus	Flower	0.14	0.14	0.39969621419118306	--
Malus domestica	Fruit	0	0.02	0.10095423065636192	--
Musa x paradisiaca	Fruit	0.001	0.007	-0.5062779328438466	ACTA AGRIC SCAND SUPPL 22: 1980
Nardostachys chinensis	Rhizome	0.13	0.13	1.7048734283205331	--
Notopterygium incisum	Rhizome	0.09	0.09	0.8153742483272116	--
Oryza sativa	Seed	0.167	0.167	0.29845806205818587	--
Pastinaca sativa	Root	0.001	0.002	-0.5049725164958411	--
Petroselinum crispum	Plant	0.004	0.37	-0.4834929186399312	--
Phaseolus vulgaris	Fruit	0	0.02	0.10095423065636192	ACTA AGRIC SCAND SUPPL 22: 1980
Pimenta dioica	Plant	0.05	0.05	-0.5015252885658961	--
Pinus echinata	Shoot	0	0.025	0.7071067811865476	--
Pistacia vera	Seed	0.1	0.1	-0.12385851994600533	--
Pisum sativum	Seed	0.001	0.024	-0.6029041950552372	--
Plantago asiatica	Plant	0.1	0.1	-0.498707730764964	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Prunella vulgaris	Flower	0.06	0.06	-0.5305058842901162	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Prunus domestica	Fruit	0	0.013	-0.22601693430528877	--
Prunus dulcis	Seed	0.002	0.1	-0.12385851994600533	--
Prunus persica	Fruit	0	0.007	-0.5062779328438466	--
Pueraria pseudohirsuta	Root	0.04	0.04	-0.3682682956821939	--
Pulsatilla chinensis	Root	0.22	0.22	0.2792780134350825	--
Pyrus communis	Fruit	0	0.019	0.05424406423326892	--
Quercus stellata	Stem	0	0.025	-1.4142135623730945	--
Quisqualis indica	Fruit	0.01	0.01	-0.3661474335745678	--
Raphanus sativus	Root	0	0.014	-0.4618027625546892	--
Rheum rhabarbarum	Pt	0.002	0.14		--
Rhodymenia palmata	Plant	26	26	0.9607872101178122	--
Ribes nigrum	Fruit	0	0.01	-0.3661474335745678	ACTA AGRIC SCAND SUPPL 22: 1980
Ribes rubrum	Fruit	0	0.006	-0.5529880992669395	--
Ribes uva-crispa	Fruit	0	0.017	-0.039176268612917085	--
Rosa canina	Fruit	--	0.001	-0.7865389313824043	ACTA AGRIC SCAND SUPPL 22: 1980
Rubus chamaemorus	Fruit	0.001	0.006	-0.5529880992669395	--
Rubus chingii	Fruit	0.03	0.03	0.5680558948872912	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Scutellaria baicalensis	Root	0.08	0.08	-0.22436911587835454	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Senna obtusifolia	Seed	--	--		--
Solanum melongena	Fruit	0.001	0.001	-0.7865389313824043	--
Solanum tuberosum	Tuber	0	0.05	1	--
Sophora angustifolia	Root	0.27	0.27	0.45915198818988173	--
Sophora subprostrata	Root	0.11	0.11	-0.11644473102547523	--
Sorbus aucubaria	Fruit	0.001	0.011	-0.3194372671514748	--
Spinacia oleracea	Leaf	0.003	0.11	1.6807373133361998	ACTA AGRIC SCAND SUPPL 22: 1980
Symphoricarpos orbiculatus	Stem	0	0.05	0.7071067811865479	--
Taraxacum mongolicum	Plant	0.06	0.06	-0.5009617770057098	--
Tetrapanax papyrifera	Pith	0.05	0.05	-1	--
Triticum aestivum	Seed	0.079	0.079	-0.25622640385776685	--
Urtica dioica	Leaf	0.005	0.028	-0.4039419089194562	ACTA AGRIC SCAND SUPPL 22: 1980
Vaccinium macrocarpon	Fruit	0.001	0.007	-0.5062779328438466	ACTA AGRIC SCAND SUPPL 22: 1980
Vaccinium myrtillus	Fruit	--	0.001	-0.7865389313824043	ACTA AGRIC SCAND SUPPL 22: 1980
Vaccinium vitis-idaea	Fruit	0	0.07	2.43646255181101	--
Vigna mungo	Seed	0.045	0.045	-0.47053631114347566	--
Vigna radiata	Seed	0.036	0.036	-0.5272654042485163	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vigna unguiculata	Seed	0	0.58	2.901693112322827	--
Vigna unguiculata	Seed	0	0.58	2.901693112322827	--
Vitis vinifera	Fruit	0	0.011	-0.3194372671514748	--
Zea mays	Seed	0	0.072	-0.30034903182835404	--