

C TITANIUM

Chemid

TITANIUM

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
Allium cepa	Bulb	0.38	11		USDA's Ag Handbook 8 and sequelae)
Anacardium occidentale	Seed	2.4	2.4	-0.5666736798432865	--
Artemisia vulgaris	Plant	130	290	1.2661627263607915	Chem. & Pharm. Bull. 38: 2205.
Asparagus officinalis	Shoot	0.45	180	1.569028364276006	--
Bertholletia excelsa	Seed	6.1	6.1	-0.433922192088565	--
Beta vulgaris	Root	0.5	9.8	-1.0000000000000002	--
Boehmeria nivea	Plant	110	230	0.6949614964235924	--
Brassica oleracea var. capitata l.	Leaf	0.35	203	0.17567539466645712	--
Brassica pekinensis	Leaf	0.95	1.05	-0.6881964492334902	--
Capsicum annuum	Fruit	0.355	16	-0.39196677622477016	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Capsicum frutescens	Fruit	--	--		--
Carya glabra	Shoot	0.4	110	0.013334518676566497	--
Carya illinoensis	Seed	2.8	2.8	-0.5523221676535869	--
Carya ovata	Seed	4.3	4.3	-0.49850399694221337	--
Carya ovata	Shoot	0.7	45	-1.4312383379514844	--
Cichorium endivia	Leaf	1	1.2	-0.6875548014167783	--
Cichorium intybus	Root	--	--		--
Cinnamomum aromaticum	Bark	50	50	1.5075567228888183	--
Cinnamomum burmannii	Bark	30	30	-0.904534033733291	--
Cinnamomum sieboldii	Bark	30	30	-0.904534033733291	--
Cinnamomum sieboldii	Root Bark	60	60		--
Cinnamomum verum	Bark	40	40	0.3015113445777637	--
Citrus paradisi	Fruit	0.11	7.7	-0.5795941269861224	--
Citrus sinensis	Fruit	0.135	3.85	-0.6666260908934968	--
Cocos nucifera	Seed	5.6	5.6	-0.45186158232568946	Furr, A.K., et al. 1979
Corylus avellana	Seed	2.3	2.3	-0.5702615578907113	Furr, A.K., et al. 1979
Cucumis melo	Fruit	0.435	2.2	-0.7039255039966572	--
Cucumis sativus	Fruit	0.3	18	-0.34675536640275756	--
Daucus carota	Root	0.017	30	1.0000000000000002	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Diospyros virginiana	Leaf	0.2	50	-0.4788053783798016	--
Diospyros virginiana	Stem	0	162	1.3331724435457684	--
Fallopia japonica	Plant	30	90	-0.6378413734298725	Chem. & Pharm. Bull. 38: 2205.
Glechoma hederacea	Plant	24	50	-1.0186421933880052	Chem. & Pharm. Bull. 38: 2205.
Glycine max	Seed	0	12	-0.2222373872904956	--
Juglans cinerea	Seed	2.7	2.7	-0.5559100457010118	--
Juglans nigra	Seed	2.9	2.9	-0.548734289606162	Furr, A.K., et al. 1979
Juniperus virginiana	Shoot	2.7	128	0.4133700789735652	--
Lactuca sativa	Leaf	0.09	870	3.0288693529792323	--
Linum usitatissimum	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Liquidambar styraciflua	Leaf	1	57	-0.4488618135999074	--
Liquidambar styraciflua	Stem	0.1	36	-0.5393506764404847	--
Lycopersicon esculentum	Fruit	0	140	2.411140632740012	--
Malus domestica	Fruit	0.055	3	-0.6858409400678522	--
Momordica charantia	Fruit	100	100	1.5069124362997597	=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Nyssa sylvatica	Leaf	0.5	182	0.08584470032677455	--
Nyssa sylvatica	Stem	0.75	30.8	-0.6166294083764254	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Petasites japonicus	Plant	170	200	0.4093608814549928	Chem. & Pharm. Bull. 38: 2205.
Petroselinum crispum	Plant	1	2	-1.4756031773377647	--
Peucedanum decursivum	Plant	66	100	-0.5426411684403393	--
Phaseolus lunatus	Seed	0	20	0.06479285650349677	--
Phaseolus vulgaris	Fruit	0.1	105	1.6199409608547914	--
Phaseolus vulgaris	Seed	0.17	7.4	-0.3872797774720413	--
Pinus echinata	Shoot	3	84	-0.5644946239746539	--
Pistacia vera	Seed	3.1	3.1	-0.5415585335113121	--
Polystichum polyblepharum	Plant	50	121	-0.3427207379623195	--
Prunus domestica	Fruit	0.11	25.5	-0.17721257957021036	--
Prunus dulcis	Seed	3.5	3.5	-0.5272070213216126	--
Prunus persica	Fruit	0.075	30	-0.07548690747068197	--
Prunus serotina	Leaf	0.6	144	-0.07670607990693676	--
Prunus serotina	Stem	0.02	38	-0.5096280872343537	--
Pyrus communis	Fruit	0.075	7.4	-0.5863758384594244	--
Quercus alba	Stem	0.2	76	0.05510110768213544	--
Quercus phellos	Stem	1	42	-0.4501829088220918	--
Quercus rubra	Seed	3.2	3.2	-0.5379706554638872	--
Quercus rubra	Stem	0.2	20	-0.7771313900895328	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Quercus stellata	Stem	1	42	-0.4501829088220918	--
Quercus velutina	Stem	1	12	-0.8960217469140568	--
Rhus copallina	Leaf	0.5	144	-0.07670607990693676	--
Rhus copallina	Stem	0.5	43	-0.43532161421902626	--
Rhus glabra	Stem	0.2	100	0.41177217815570744	--
Sassafras albidum	Leaf	1	102	-0.2563674685863019	--
Sassafras albidum	Stem	0.16	74	0.02537851847600444	--
Solanum melongena	Fruit	0.35	0.4	-0.7446157728364686	--
Solanum tuberosum	Tuber	0.13	17		--
Symphoricarpos orbiculatus	Stem	0.57	264	2.849024493058449	--
Taraxacum officinale	Plant	58	330	1.6469635463189243	Chem. & Pharm. Bull. 38: 2205.
Urtica dioica	Leaf	--	27	-0.577191376942311	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vigna unguiculata	Seed	0.2	84	2.3610348068554363	--
Vigna unguiculata	Seed	0.2	84	2.3610348068554363	--
Vitis vinifera	Fruit	0.11	7.7	-0.5795941269861224	--
Zea mays	Seed	0.06	63	1.607580416896206	--