

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**List of Plants for TITANIUM**

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Petasites japonicus</i>	Plant	170.0	200.0	0.4093608814549928	Chem. & Pharm. Bull. 38: 2205.
<i>Artemisia vulgaris</i>	Plant	130.0	290.0	1.2661627263607915	Chem. & Pharm. Bull. 38: 2205.
<i>Boehmeria nivea</i>	Plant	110.0	230.0	0.6949614964235924	--
<i>Peucedanum decursivum</i>	Plant	66.0	100.0	-0.5426411684403393	--
<i>Taraxacum officinale</i>	Plant	58.0	330.0	1.6469635463189243	Chem. & Pharm. Bull. 38: 2205.
<i>Polystichum polyblepharum</i>	Plant	50.0	121.0	-0.3427207379623195	--
<i>Fallopia japonica</i>	Plant	30.0	90.0	-0.6378413734298725	Chem. & Pharm. Bull. 38: 2205.
<i>Glechoma hederacea</i>	Plant	24.0	50.0	-1.0186421933880052	Chem. & Pharm. Bull. 38: 2205.
<i>Pinus echinata</i>	Shoot	3.0	84.0	-0.5644946239746539	--
<i>Juniperus virginiana</i>	Shoot	2.7	128.0	0.4133700789735652	--
<i>Quercus phellos</i>	Stem	1.0	42.0	-0.4501829088220918	--
<i>Sassafras albidum</i>	Leaf	1.0	102.0	-0.2563674685863019	--
<i>Petroselinum crispum</i>	Plant	1.0	2.0	-1.4756031773377647	--
<i>Liquidambar styraciflua</i>	Leaf	1.0	57.0	-0.4488618135999074	--
<i>Quercus stellata</i>	Stem	1.0	42.0	-0.4501829088220918	--
<i>Quercus velutina</i>	Stem	1.0	12.0	-0.8960217469140568	--
<i>Cichorium endivia</i>	Leaf	1.0	1.2	-0.6875548014167783	--
<i>Brassica pekinensis</i>	Leaf	0.95	1.05	-0.6881964492334902	--
<i>Nyssa sylvatica</i>	Stem	0.75	30.8	-0.6166294083764254	--
<i>Carya ovata</i>	Shoot	0.7	45.0	-1.4312383379514844	--
<i>Prunus serotina</i>	Leaf	0.6	144.0	-0.07670607990693676	--
<i>Symphoricarpos orbiculatus</i>	Stem	0.57	264.0	2.849024493058449	--
<i>Rhus copallina</i>	Leaf	0.5	144.0	-0.07670607990693676	--
<i>Rhus copallina</i>	Stem	0.5	43.0	-0.43532161421902626	--
<i>Nyssa sylvatica</i>	Leaf	0.5	182.0	0.08584470032677455	--
<i>Beta vulgaris</i>	Root	0.5	9.8	-1.0000000000000002	--
<i>Asparagus officinalis</i>	Shoot	0.45	180.0	1.569028364276006	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cucumis melo	Fruit	0.435	2.2	-0.7039255039966572	--
Carya glabra	Shoot	0.4	110.0	0.013334518676566497	--
Allium cepa	Bulb	0.38	11.0		USDA's Ag Handbook 8 and sequelae)
Capsicum annuum	Fruit	0.355	16.0	-0.39196677622477016	--
Solanum melongena	Fruit	0.35	0.4	-0.7446157728364686	--
Brassica oleracea var. capitata l.	Leaf	0.35	203.0	0.17567539466645712	--
Cucumis sativus	Fruit	0.3	18.0	-0.34675536640275756	--
Quercus alba	Stem	0.2	76.0	0.05510110768213544	--
Diospyros virginiana	Leaf	0.2	50.0	-0.4788053783798016	--
Rhus glabra	Stem	0.2	100.0	0.41177217815570744	--
Vigna unguiculata	Seed	0.2	84.0	2.3610348068554363	--
Quercus rubra	Stem	0.2	20.0	-0.7771313900895328	--
Vigna unguiculata	Seed	0.2	84.0	2.3610348068554363	--
Phaseolus vulgaris	Seed	0.17	7.4	-0.3872797774720413	--
Sassafras albidum	Stem	0.16	74.0	0.02537851847600444	--
Citrus sinensis	Fruit	0.135	3.85	-0.6666260908934968	--
Solanum tuberosum	Tuber	0.13	17.0		--
Citrus paradisi	Fruit	0.11	7.7	-0.5795941269861224	--
Prunus domestica	Fruit	0.11	25.5	-0.17721257957021036	--
Vitis vinifera	Fruit	0.11	7.7	-0.5795941269861224	--
Phaseolus vulgaris	Fruit	0.1	105.0	1.6199409608547914	--
Liquidambar styraciflua	Stem	0.1	36.0	-0.5393506764404847	--
Lactuca sativa	Leaf	0.09	870.0	3.0288693529792323	--
Prunus persica	Fruit	0.075	30.0	-0.07548690747068197	--
Pyrus communis	Fruit	0.075	7.4	-0.5863758384594244	--
Zea mays	Seed	0.06	63.0	1.607580416896206	--
Malus domestica	Fruit	0.055	3.0	-0.6858409400678522	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Prunus serotina	Stem	0.02	38.0	-0.5096280872343537	--
Daucus carota	Root	0.017	30.0	1.0000000000000002	--
Diospyros virginiana	Stem	0.0	162.0	1.3331724435457684	--
Glycine max	Seed	0.0	12.0	-0.2222373872904956	--
Lycopersicon esculentum	Fruit	0.0	140.0	2.411140632740012	--
Phaseolus lunatus	Seed	0.0	20.0	0.06479285650349677	--
Carya ovata	Seed		4.3	-0.49850399694221337	--
Juglans cinerea	Seed		2.7	-0.5559100457010118	--
Linum usitatissimum	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Cinnamomum aromaticum	Bark		50.0	1.5075567228888183	--
Bertholletia excelsa	Seed		6.1	-0.433922192088565	--
Cinnamomum burmannii	Bark		30.0	-0.904534033733291	--
Anacardium occidentale	Seed		2.4	-0.5666736798432865	--
Urtica dioica	Leaf		27.0	-0.577191376942311	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Momordica charantia	Fruit		100.0	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
Cinnamomum verum	Bark		40.0	0.3015113445777637	--
Pistacia vera	Seed		3.1	-0.5415585335113121	--
Cichorium intybus	Root				--
Corylus avellana	Seed		2.3	-0.5702615578907113	Furr, A.K., et al. 1979
Juglans nigra	Seed		2.9	-0.548734289606162	Furr, A.K., et al. 1979
Quercus rubra	Seed		3.2	-0.5379706554638872	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Capsicum frutescens	Fruit				--
Prunus dulcis	Seed		3.5	-0.5272070213216126	--
Carya illinoensis	Seed		2.8	-0.5523221676535869	--
Cinnamomum sieboldii	Bark		30.0	-0.904534033733291	--
Cocos nucifera	Seed		5.6	-0.45186158232568946	Furr, A.K., et al. 1979
Cinnamomum sieboldii	Root Bark		60.0		--