

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for ALPHA-TOCOPHEROL

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abelmoschus esculentus	Seed		304.0	0.23458917070322294	Wealth of India.
Abelmoschus esculentus	Oil		310.0	-0.2423137964331492	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Allium cepa	Bulb	0.4	30.0	1.0	--
Allium ampeloprasum	Plant				--
Allium cepa	Seed Oil				Grujic-Injac, B., Basarevic-Dinic, L., Lajsic, S., Stefanovic, D. 1985. Chemical Analysis of Seed Oil of the Onion (Allium cepa). Hrana Ishrana, 25: 167-169 (Inst Ishr Vet Fak Belgrade, Yugoslavia)
Allium sativum var. sativum	Bulb	0.1	12.0	-1.0	--
Ananas comosus	Fruit	1.0	7.0	-1.0138725518998306	USDA's Ag Handbook 8 and sequelae)
Anethum graveolens	Leaf	16.0	147.0	-0.6328641971482494	--
Angelica sinensis	Root				Jim Duke's personal files.
Apium graveolens	Seed				--
Apium graveolens	Shoot	0.0	64.0		--
Apium graveolens	Pt	3.0	67.0	1.0	--
Apium graveolens	Leaf	136.0	266.0	-0.22853429341464526	--
Apium graveolens	Plant	0.0	64.0	-1.0	--
Arachis hypogaea	Oil		89.0	-0.5688464123583074	--
Arachis hypogaea	Seed	83.0	116.0	-0.36252380102986614	--
Aspalathus linearis	Plant				--
Avena sativa	Seed	4.4	10.1	-0.6988762675539839	Jim Duke's personal files.*
Berberis vulgaris	Leaf		213.0	-0.4086139984388556	Jim Duke's personal files.
Beta vulgaris	Leaf	321.0	439.0	0.35927304562664447	Jim Duke's personal files.*
Beta vulgaris	Root	0.5	3.6	-1.1769646985527407	--
Brassica rapa	Leaf	2.0	56.0	-0.9420576529445347	--
Brassica oleracea var. sabellica l.	Leaf	359.0	785.0	1.534887723709224	--
Brassica oleracea var. botrytis l.	Leaf	7.0	439.0	0.35927304562664447	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Brassica rapa	Oil		189.0	-0.4210940974600457	--
Brassica oleracea var. capitata l.	Leaf	0.4	170.0	-0.5547164006283091	--
Brassica chinensis	Leaf	2.0	56.0	-0.9420576529445347	--
Brassica pekinensis	Leaf	2.0	56.0	-0.9420576529445347	--
Brassica oleracea var. botrytis l.	Flower	0.3	4.0	-1.0	--
Brassica oleracea var. italica	Leaf	7.0	439.0	0.35927304562664447	--
Brassica oleracea var. gemmifera	Leaf	4.0	63.0	-0.9182735409602051	--
Brassica oleracea var. sabellica l.	Stem	9.0	16.0		--
Calendula officinalis	Leaf				--
Capsicum annuum	Fruit	22.0	284.0	3.249804110897653	--
Carica papaya	Leaf				Jim Duke's personal files.
Carthamus tinctorius	Oil		449.0	-0.0369380787245654	--
Citrus paradisi	Fruit	3.0	29.0	-0.6752411923996696	--
Citrus sinensis	Fruit	4.0	29.0	-0.6752411923996696	--
Citrus reticulata	Fruit	3.0	31.0	-0.6444565233542005	--
Cocos nucifera	Seed	7.0	13.0	-0.6896654823517182	--
Cocos nucifera	Seed Oil				Jim Duke's personal files.
Cocos nucifera	Oil		18.0	-0.6737505559360731	--
Coffea arabica	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Corylus avellana	Essential Oil				--
Corylus avellana	Seed		240.0	0.03131666968770319	--
Cucumis melo	Fruit	1.4	14.0	-0.9061262102406885	USDA's Ag Handbook 8 and sequelae)
Cucumis sativus	Fruit	0.4	38.0	-0.5367101816950582	--
Cucurbita pepo	Fruit	10.0	119.0	0.7100689146464441	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Stem				--
Cucurbita pepo	Leaf				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Curcuma longa	Root	11.0	18.0	-0.09053574604251821	--
Daucus carota	Leaf		788.0	1.545080914559651	--
Daucus carota	Root	4.0	36.0	1.2675004445952598	--
Elaeis guineensis	Fruit	75.0	125.0	0.8024229217828517	Abstract (See species file)
Elettaria cardamomum	Seed				--
Eleutherococcus senticosus	Root				--
Eucalyptus globulus	Leaf		333.0	-8.863644217758233E-4	--
Fragaria spp	Fruit	1.0	54.0	-0.29043282933130465	--
Glycine max	Seed	8.0	19.0	-0.6706086853815132	--
Glycine max	Cotyledon				--
Glycine max	Oil		95.0	-0.5599812734644116	--
Glycine max	Leaf	29.0	280.0	-0.18096606944598598	Jim Duke's personal files.*
Glycine max	Seed Coat				--
Hedera helix	Leaf				--
Helianthus annuus	Oil		622.0	0.2186734260494272	--
Hibiscus sabdariffa	Seed		500.0	0.8571112050632521	--
Hordeum vulgare	Seed	3.0	11.0	-0.6960177480084532	Jim Duke's personal files.*
Hordeum vulgare	Tissue Culture				--
Hordeum vulgare	Leaf				--
Hordeum vulgare	Sprout Seedling				--
Hordeum vulgare	Root				--
Humulus lupulus	Strobilus				--
Juglans regia	Seed	0.0	135.0	-0.30217727729088373	--
Lactuca scariola	Seed				--
Lactuca sativa	Fruit	6.0	139.0	1.017915605101136	--
Lepidium sativum	Leaf	7.0	66.0	-0.9080803501097781	--
Lepidium sativum	Oil		1830.0	2.0035213900204276	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Linum usitatissimum	Oil		5.0	-0.6929583568728471	--
Linum usitatissimum	Seed Oil				--
Lycium chinense	Leaf	94.0	177.0	-0.5309322886439795	--
Lycopersicon esculentum	Fruit	7.0	143.0	1.0794849431920743	--
Malus domestica	Fruit	2.0	37.0	-0.5521025162177928	--
Medicago sativa	Leaf				--
Medicago sativa	Plant	26.0	257.0	1.0	--
Mentha x piperita	Plant				--
Mentha x piperita	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Moringa oleifera	Seed				--
Musa x paradisiaca	Hull Husk		30.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Oenothera biennis	Seed	11.0	100.0	-0.41334192628374605	--
Olea europaea	Oil		119.0	-0.5245207178888289	--
Origanum vulgare	Leaf				--
Oryza sativa	Seed				--
Persea americana	Fruit	13.0	49.0	-0.36739450194497764	USDA's Ag Handbook 8 and sequelae)
Petroselinum crispum	Leaf	36.0	252.0	-0.27610251738330455	--
Phaseolus vulgaris	Fruit	0.2	14.0	-0.9061262102406885	--
Phaseolus vulgaris	Leaf	698.0	719.0	1.31063752499983	Jim Duke's personal files.*
Pimpinella anisum	Leaf				--
Pimpinella anisum	Root				--
Pimpinella anisum	Tissue Culture				--
Piper nigrum	Resin, Exudate, Sap		1000.0		--
Piper nigrum	Fruit		0.054	-1.1207877074947452	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pistacia vera</i>	Seed	52.0	54.0	-0.5594440363886509	--
<i>Populus nigra</i>	Inflorescence				--
<i>Prunus dulcis</i>	Seed	150.0	275.0	0.14248131868056554	--
<i>Prunus domestica</i>	Fruit	8.0	62.0	-0.16729415314942792	--
<i>Prunus persica</i>	Fruit	10.0	86.0	0.2021218753962024	--
<i>Prunus cerasus</i>	Fruit	1.3	9.4	-0.9769309490452676	--
<i>Psoralea corylifolia</i>	Seed				--
<i>Pyrus communis</i>	Fruit	0.6	31.0	-0.6444565233542005	--
<i>Rheum rhabarbarum</i>	Leaf	1197.0	1238.0	3.0740595421236994	--
<i>Rheum rhabarbarum</i>	Pt	2.0	48.0	-1.0	--
<i>Ribes nigrum</i>	Fruit	22.0	120.0	0.7254612491691786	--
<i>Ribes rubrum</i>	Fruit	8.0	59.0	-0.2134711567176317	--
<i>Ricinus communis</i>	Oil		9.0	-0.6870482642769167	--
<i>Rosa canina</i>	Fruit	41.0	204.0	2.0184173490788853	--
<i>Rosmarinus officinalis</i>	Leaf				--
<i>Rubus idaeus</i>	Fruit	9.0	56.0	-0.2596481602858355	--
<i>Sesamum indicum</i>	Seed Oil				--
<i>Sesamum indicum</i>	Seed	22.0	24.0	-0.6547280212396758	USDA's Ag Handbook 8 and sequelae)
<i>Solanum tuberosum</i>	Tuber	0.5	2.8		USDA's Ag Handbook 8 and sequelae)
<i>Spinacia oleracea</i>	Leaf	12.0	419.0	0.2913184399571312	--
<i>Taraxacum officinale</i>	Leaf		170.0	-0.5547164006283091	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.
<i>Trifolium pratense</i>	Plant				--
<i>Trifolium pratense</i>	Inflorescence	126.0	400.0		--
<i>Triticum aestivum</i>	Seed		1271.0	3.3059096157345915	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Triticum aestivum	Oil	1508.0	2170.0	2.505879260674517	--
Urtica dioica	Seed	230.0	380.0	0.47597526565915266	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.
Urtica dioica	Leaf	16.0	94.0	-0.8129439021724595	--
Vaccinium corymbosum	Fruit	18.0	116.0	0.6638919110782403	--
Vaccinium macrocarpon	Fruit	9.0	81.0	0.12516020278252943	--
Valeriana officinalis	Flower		221.0	1.0	--
Vitis vinifera	Fruit	6.0	31.0	-0.6444565233542005	--
Zea mays	Seed Oil				--
Zea mays	Oil	90.0	257.0	-0.32062252332922786	--
Zea mays	Seed				--
Zea mays	Fruit				--