

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

**List of Plants for PALMITIC-ACID**

<b>Plant</b>	<b>Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference</b>
Abelmoschus esculentus	Seed	33920	66440	0.6712717296107207	--
Abelmoschus moschatus	Plant	--	--		--
Abelmoschus moschatus	Seed	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Abrus precatorius	Seed	--	300	-0.6934110761449042	Wealth of India.
Abutilon theophrasti	Seed	--	19595	-0.2952926192798484	Wealth of India.
Acacia farnesiana	Flower	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Acacia farnesiana	Seed	2400	9500	-0.503585224724406	--
Acanthopanax gracilistylis	Plant	--	--		--
Achillea millefolium	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Achillea moschata	Plant	--	--		--
Acorus calamus	Plant	--	--		--
Acorus calamus	Rhizome	--	--		--
Actaea racemosa	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Adansonia digitata	Seed	40800	98940	1.34185218299835	Wealth of India.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Adonis vernalis	Plant	--	--		--
Aesculus hippocastanum	Leaf	--	--		Jim Duke's personal files.
Aesculus hippocastanum	Seed	--	1245	-0.6739126598848639	--
Ageratum conyzoides	Seed	42315	42315	0.17349470074990356	Wealth of India.
Agrimonia eupatoria	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ajuga bracteosa	Plant	--	--		Wealth of India.
Akebia quinata	Seed	--	--		--
Aleurites fordii	Seed	12000	24000	-0.2044031762899251	--
Aleurites moluccana	Seed	31350	37950	0.08343058754876502	Wealth of India.
Alisma plantago-aquatica	Plant	--	--		--
Alliaria petiolata	Plant	8800	8800	-0.48829007625413884	--
Allium ampeloprasum	Plant	--	--		--
Allium cepa	Bulb	240	2325	-1	--
Allium cepa	Seed Oil	--	73000	-0.723771059427567	--
Allium cepa	Seed	--	13140	-0.4284802139449916	Wealth of India.
Allium sativum var. sativum	Bulb	400	3600	1	--
Allium schoenoprasum	Leaf	910	11375	-0.16964007288800279	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Aloe vera	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
Althaea officinalis	Seed	12415	16685	-0.3553353614139409	Wealth of India.
Ammi majus	Plant	--	--		--
Ammi visnaga	Seed	--	--		--
Amphicarpaea bracteata	Seed	5150	16640	-0.35626385742632377	--
Anacardium occidentale	Seed	34600	44262	0.21366762821900245	--
Anamirta cocculus	Seed	6710	10980	-0.4730480225393694	--
Ananas comosus	Fruit	190	1407	-0.34363159570129753	USDA's Ag Handbook 8 and sequelae)
Anethum graveolens	Fruit	5800	6281	-0.26775372349168214	--
Anethum graveolens	Seed	5800	6281	-0.5700036394768608	USDA's Ag Handbook 8 and sequelae)
Anethum graveolens	Plant	--	--		--
Angelica archangelica	Seed	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Angelica archangelica	Root Essent. Oil	--	60000	-0.14585513924522536	--
Angelica archangelica	Fruit	--	--		--
Angelica sinensis	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Annona cherimola	Fruit	235	3500	-0.3110480120872793	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Annona cherimola</i>	Seed	25200	32500	-0.029020596173160516	--
<i>Annona reticulata</i>	Plant	--	--		--
<i>Anthriscus cerefolium</i>	Seed	6500	6500	-0.5654849588832641	--
<i>Apium graveolens</i>	Pt	280	5970		USDA's Ag Handbook 8 and sequelae)
<i>Apium graveolens</i>	Seed	9470	17375	-0.02365595254605948	--
<i>Apium graveolens</i>	Essential Oil	--	--		--
<i>Aquilegia vulgaris</i>	Seed	21520	21520	-0.25557362319458116	--
<i>Arachis hypogaea</i>	Seed	51450	60615	0.551083079118938	--
<i>Arctium lappa</i>	Fruit	10500	12600	-0.16938025724372155	Wealth of India.
<i>Arctium lappa</i>	Root	--	--		Jim Duke's personal files.
<i>Argemone mexicana</i>	Seed	--	--		--
<i>Arnica montana</i>	Flower	--	--		--
<i>Artemisia absinthium</i>	Plant	--	--		--
<i>Artemisia capillaris</i>	Essential Oil	--	--		--
<i>Asclepias syriaca</i>	Seed	3640	12720	-0.4371461767272317	--
<i>Asiasarum sieboldii</i>	Root	--	--		--
<i>Asimina triloba</i>	Fruit	1080	14396	-0.14142033551855346	--
<i>Asparagus officinalis</i>	Shoot	450	5806	1.4142135623730951	--
<i>Azadirachta indica</i>	Fruit	63000	71550	0.7483465722098749	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Bactris gasipaes	Fruit	11400	71400	0.7460113894377283	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Bactris gasipaes	Seed	32550	32550	-0.027988933937179546	--
Balanites aegyptiacus	Seed	57000	104500	1.4565730236394336	--
Benincasa hispida	Fruit	110	2820	-0.321634173987677	--
Bertholletia excelsa	Seed	87630	113400	1.640208901644046	--
Beta vulgaris	Root	210	1656	-0.32320450211702656	USDA's Ag Handbook 8 and sequelae)
Bidens pilosa	Plant	--	--		Jim Duke's personal files.
Bixa orellana	Seed	660	4225	-0.6124255906203983	Duke, J. A. and duCellier, J. L. 1993. CRC Handbook of Alternative Cash Crops. CRC Press. Boca Raton, FL 33431. 536 pp. US \$312.50.
Borago officinalis	Seed	15600	46600	0.26190815437347253	--
Boronia megastigma	Flower	--	--		--
Boswellia serrata	Essential Oil	--	--		--
Brassica chinensis	Leaf	220	4701	-0.29955276860925134	--
Brassica napus var. napobrassica	Root	240	2320	-0.291367632582844	USDA's Ag Handbook 8 and sequelae)
Brassica nigra	Leaf	60	884	-0.3738525527818623	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea	Stem	110	1220		--
Brassica oleracea var. botrytis l.	Leaf	470	5048	-0.2927982427753776	--
Brassica oleracea var. botrytis l.	Flower	240	3100	0.13966281921675727	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Brassica oleracea var. capitata l.	Leaf	190	2540	-0.34161769750550813	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. gemmifera	Leaf	530	3784	-0.3174026250636093	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. italica	Leaf	470	5048	-0.2927982427753776	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. sabellica l.	Leaf	760	4890	-0.29587379056140656	--
Brassica oleracea var. viridis l.	Plant	--	--		--
Brassica rapa	Root	100	1230	-0.34362996359528225	--
Brassica rapa	Leaf	220	4701	-0.29955276860925134	USDA's Ag Handbook 8 and sequelae)
Bryonia alba	Root	--	--		--
Cajanus cajan	Seed	3070	9642	-0.5006553039742201	--
Calendula officinalis	Seed	38900	67000	0.6828263466537076	--
Calotropis sp.	Seed	39900	54900	0.43316408554631325	--
Camellia sinensis	Leaf	--	--		--
Camellia sinensis	Seed Oil	--	--		--
Canarium indicum	Seed	222162	222162	3.8843218638392867	--
Capparis spinosa	Flower	1123	1123	-1.0985138336600548	--
Capparis spinosa	Plant	--	--		--
Capparis spinosa	Seed	11060	16200	-0.3653424851029563	Wealth of India.
Capsicum annum	Fruit	500	6820	-0.2593626333971022	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Capsicum annuum	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Capsicum frutescens	Fruit	150	1224	-0.34648051868331636	USDA's Ag Handbook 8 and sequelae)
Capsicum frutescens	Seed	--	--		--
Capsicum frutescens	Resin, Exudate, Sap	--	--		--
Carapa guianensis	Seed	55000	65000	0.6415598572144688	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Carica papaya	Fruit	320	2865	-0.320933619156033	--
Carica papaya	Seed	28791	30107	-0.07839595078720965	--
Carica papaya	Seed Oil	162000	190000	0.05419140224469152	Jim Duke's personal files.
Carica papaya	Leaf	--	--		Jim Duke's personal files.
Carica papaya	Flower	--	--		Jim Duke's personal files.
Carthamus tinctorius	Seed	6000	18780	-0.3121087137263382	--
Carum carvi	Fruit	2000	6658	-0.2618846307910205	--
Carum carvi	Seed	2000	6658	-0.5139018470842157	--
Carya illinoensis	Leaf	--	--		--
Cassia tora	Seed	2211	4958	-0.5973014222409172	--
Caulophyllum thalictroides	Root	--	--		Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ceiba pentandra	Seed	19540	64000	0.6209266124948495	--
Centaurea calcitrapa	Plant	--	--		--
Centaurium erythraea	Plant	--	--		--
Centella asiatica	Plant	--	--		--
Ceratonia siliqua	Seed	155	1405	-0.6706113407297248	Wealth of India.
Chrysanthemum x morifolium	Flower	--	--		Wealth of India.
Cicer arietinum	Seed	5010	5665	-0.5827137182241463	USDA's Ag Handbook 8 and sequelae)
Cichorium endivia	Leaf	410	6602	-0.26254886771532066	--
Cichorium intybus	Leaf	210	4284	-0.3076698789052898	USDA's Ag Handbook 8 and sequelae)
Cichorium intybus	Root	410	2050	-0.30431334760427364	USDA's Ag Handbook 8 and sequelae)
Cichorium intybus	Seed	--	--		--
Cimicifuga racemosa	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Cinnamomum verum	Seed	5400	6300	-0.569611607827188	Wealth of India.
Citrullus colocynthis	Seed	--	--		--
Citrullus lanatus	Seed	15200	55000	0.4352274100182752	--
Citrullus lanatus	Cotyledon	--	206300	-1.727557853929548	--
Citrus aurantiifolia	Fruit	10	85	-0.36421233986648255	USDA's Ag Handbook 8 and sequelae)
Citrus aurantium	Plant	--	--		--



Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrus paradisi	Fruit	120	1320	-0.34498600170914256	USDA's Ag Handbook 8 and sequelae)
Citrus reticulata	Fruit	200	1612	-0.3404401792460306	USDA's Ag Handbook 8 and sequelae)
Citrus reticulata	Seed Oil	--	--		--
Citrus sinensis	Fruit	130	982	-0.35024794688904615	USDA's Ag Handbook 8 and sequelae)
Cocos nucifera	Seed	4380	75495	0.858105760546874	--
Coffea arabica	Seed	23680	23680	-0.21100581460020332	--
Coix lacryma-jobi	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Colocasia esculenta	Leaf	1310	9135	-0.2132427756772741	--
Colocasia esculenta	Root	350	1190	-0.34554784730216076	--
Commiphora myrrha	Essential Oil	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Corchorus olitorius	Leaf	300	2440	-0.34356424673717206	--
Corchorus olitorius	Seed	19000	25000	-0.18376993157030574	--
Coriandrum sativum	Fruit	2160	16800	-0.10399513962361799	--
Coriandrum sativum	Seed Essent. Oil	--	58200		--
Corylus avellana	Seed	15500	65000	0.6415598572144688	--
Crataegus laevigata	Fruit	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Crataegus laevigata	Bark	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Crataegus rhipidophylla</i>	Fruit	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Crataegus rhipidophylla</i>	Bark	--	--		--
<i>Crocus sativus</i>	Silk Stigma Style	--	--		--
<i>Croton tiglium</i>	Seed	2700	4500	-0.6067514483225028	--
<i>Cryptostegia grandifolia</i>	Seed	9340	9340	-0.5068865438795451	--
<i>Cryptotaenia japonica</i>	Shoot	--	--		--
<i>Cucumis melo</i>	Cotyledon	122000	532300	0.675103666467349	--
<i>Cucumis melo</i>	Seed	9600	58400	0.505380442064981	--
<i>Cucumis sativus</i>	Cotyledon	213200	504700	0.47168815124356256	--
<i>Cucumis sativus</i>	Fruit	270	6835	-0.2591291151198875	--
<i>Cucumis sativus</i>	Seed	12420	20400	-0.2786828572805548	--
<i>Cucurbita foetidissima</i>	Seed	14823	48140	0.2936833512416864	--
<i>Cucurbita maxima</i>	Seed	44360	44360	0.21568968620152515	--
<i>Cucurbita pepo</i>	Flower	260	5360	1.5550797314583331	USDA's Ag Handbook 8 and sequelae)
<i>Cucurbita pepo</i>	Fruit	370	4405	-0.29695907602866173	USDA's Ag Handbook 8 and sequelae)
<i>Cucurbita pepo</i>	Seed	44800	60292	0.6318622321962477	--
<i>Cucurbita spp</i>	Fruit	380	6015	-0.27189478094095537	--
<i>Cyamopsis tetragonoloba</i>	Seed Oil	--	179000	-0.01895036765611912	Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil ( <i>Cyamopsis tetragonoloba</i> L. Taub). J Agr Food Chem, 32(5): 1073-1075.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Cynara cardunculus</i>	Flower	290	1925	-0.5962287170150354	USDA's Ag Handbook 8 and sequelae)
<i>Datura stramonium</i>	Seed	15000	30000	-0.08060370797220892	--
<i>Daucus carota</i>	Root	230	1885	-0.3122246178951473	--
<i>Daucus carota</i>	Seed	3265	11500	-0.4623187352851673	--
<i>Dioscorea pentaphylla</i>	Root	200	1080	-0.35082202749607655	--
<i>Diospyros virginiana</i>	Fruit	--	--		--
<i>Dipsacus fullonum</i>	Seed	4200	5660	-0.5828168844477444	--
<i>Dipteryx odorata</i>	Seed	1525	1525	-0.6681353513633704	--
<i>Dodonaea viscosa</i>	Seed	8580	24900	-0.1858332560422677	--
<i>Echinacea angustifolia</i>	Root	--	--		--
<i>Echinacea</i> spp	Root	--	--		Economic & Medicinal Plant Research, 5: 253.
<i>Elaeagnus angustifolia</i>	Seed	--	1145	-0.6759759843568258	Hetherington, M and Steck, W. 1997. Natural chemicals from northern prairie plants - the phytochemical contents of one thousand North American species. 277 pp. Ag-West Biotech, Inc. Saskatoon, Canada. Fytokem Products, Saskatoon.
<i>Elaeis guineensis</i>	Fruit	148580	384930	5.627010419778459	--
<i>Elaeis oleifera</i>	Fruit	94540	163000	2.172029668961892	--
<i>Elettaria cardamomum</i>	Seed	5828	8400	-0.5262817939159874	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Elettaria cardamomum</i>	Fruit	840	6195	-0.2690925616143795	Revised USDA data received 1993.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Elettaria cardamomum	Seed Oil	--	--		--
Eriobotrya japonica	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Eruca sativa	Seed	9000	18250	-0.3230443334277365	--
Erythrina crista-galli	Seed	19000	19000	-0.30756939988802195	--
Erythroxyllum coca	Leaf	--	--		--
Eucalyptus globulus	Fruit	--	--		--
Eucommia ulmoides	Seed Oil	--	47000	-0.8966516064658467	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Euphorbia hirta	Plant	--	--		--
Fagopyrum esculentum	Seed	2574	3120	-0.6352253260355776	--
Fagopyrum esculentum	Pollen Or Spore	--	--		--
Ficus carica	Fruit	460	2202	-0.3312551270089208	USDA's Ag Handbook 8 and sequelae)
Ficus carica	Seed	12552	15690	-0.3758654399099622	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ficus carica	Leaf	--	--		--
Foeniculum vulgare	Fruit	4000	6000	-0.27212829921817	--
Foeniculum vulgare	Seed	4000	6000	-0.5758015812430738	--
Fragaria spp	Fruit	140	1661	-0.339677352873796	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Fucus vesiculosus	Plant	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Ganoderma lucidum	Tissue Culture	--	--		--
Ganoderma lucidum	Fruit	--	--		--
Ganoderma lucidum	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Ginkgo biloba	Seed	2880	6422	-0.5670943519713945	--
Ginkgo biloba	Leaf	--	251000	4.4947785234866116	Jim Duke's personal files.
Ginkgo biloba	Pollen Or Spore	--	--		Jim Duke's personal files.
Ginkgo biloba	Fruit	--	--		Jim Duke's personal files.
Glechoma hederacea	Plant	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Glycine max	Seed	14895	26862	-0.1453508299023745	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Glycine max	Sprout Seedling	--	--		--
Glycyrrhiza glabra	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Gossypium sp	Plant	31840	48438	2.024129383210386	--
Harpagophytum procumbens	Tuber	--	--		--
Hedera helix	Seed	17550	17550	-0.33748760473147	--
Helianthus annuus	Seed	14250	32000	-0.039337218532970196	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hibiscus sabdariffa	Seed	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hippophae rhamnoides	Bark	5720	5720		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Hippophae rhamnoides	Fruit	1040	1040	-0.3493450095504828	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Hippophae rhamnoides	Seed	5060	6610	-0.563215301964106	--
Holarrhena pubescens	Seed	10640	16800	-0.3529625382711847	--
Hordeum vulgare	Seed	370	4070	-0.6156237435519392	Jim Duke's personal files.*
Hordeum vulgare	Leaf	--	--		--
Houttuynia cordata	Essential Oil	--	--		--
Houttuynia cordata	Shoot	--	--		--
Houttuynia cordata	Shoot Essent. Oil	--	--		--
Houttuynia cordata	Root	--	--		--
Hydnocarpus kurzii	Seed	12000	20000	-0.2869361551684026	--
Hydnocarpus wightiana	Seed	11385	11385	-0.46469155842792353	--
Hyoscyamus niger	Seed	16250	25285	-0.17788945682521423	--
Hypericum perforatum	Plant	--	--		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
<i>Ipomoea batatas</i>	Root	580	2135	-0.3002378447271569	--
<i>Iris versicolor</i>	Rhizome	--	--		--
<i>Iris x germanica</i>	Rhizome	--	--		--
<i>Jatropha curcas</i>	Seed	39900	65325	0.6482656617483451	--
<i>Juglans cinerea</i>	Seed	8720	9021	-0.5134685489451037	--
<i>Juglans nigra</i>	Seed Oil	--	--		--
<i>Juglans nigra</i>	Seed	21260	22230	-0.24092401944365138	USDA's Ag Handbook 8 and sequelae)
<i>Juglans regia</i>	Seed	12000	49070	0.31287226883093233	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Juniperus communis</i>	Plant	--	--		--
<i>Juniperus communis</i>	Fruit	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Lablab purpureus</i>	Seed	560	4617	-0.6043373586903074	--
<i>Lactuca sativa</i>	Leaf	350	5833	-0.277517831306816	--
<i>Lactuca scariola</i>	Leaf	14080	52800	0.6367179463287668	--
<i>Lagenaria siceraria</i>	Fruit	10	225	-0.3620328359458124	--
<i>Laurus nobilis</i>	Fruit	20000	60500	0.5763214413284119	--
<i>Lawsonia inermis</i>	Seed	5080	11085	-0.4708815318438094	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
Lawsonia inermis	Oil	90700	91000		--
Lens culinaris	Seed	1160	1300	-0.6727778314252848	USDA's Ag Handbook 8 and sequelae)
Lens culinaris	Sprout Seedling	520	1733	-1.0512344394419888	USDA's Ag Handbook 8 and sequelae)
Lentinus edodes	Fruit	--	--		--
Leonotis nepetaefolia	Seed	33600	45600	0.24127490965385318	--
Lepidium meyenii	Root	--	5	-0.4023651521184354	--
Lepidium sativum	Leaf	160	1510	-0.3616671545916463	--
Lepidium sativum	Seed	2020	3240	-0.6327493366692233	--
Levisticum officinale	Root	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Ligustrum japonicum	Seed	--	--		--
Ligustrum lucidum	Fruit	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Linum usitatissimum	Seed	19005	22515	-0.23504354469855987	Cunane, S. and Thompson, L. U., eds. 1995. Flaxseed in Human Nutrition. AOCS Press, Champaign IL. 384 pp.
Linum usitatissimum	Seed Oil	--	90000	-0.6107337786717688	--
Luffa aegyptiaca	Fruit	110	2200	-0.3312862627792161	--
Luffa aegyptiaca	Seed	18000	40500	0.1360453615837944	--
Lupinus albus	Seed	7420	8275	-0.5288609495059398	--
Lycopersicon esculentum	Fruit	210	3471	-0.3114994807565609	--



Plant	Part	Low PPM	High PPM	StdDev	Reference
Lycopodium clavatum	Pollen Or Spore	--	--		--
Macadamia spp	Seed	67120	71300	0.7715492989480708	--
Maclura pomifera	Fruit	--	--		--
Malus domestica	Fruit	480	2986	-0.31904990505316816	--
Malus domestica	Seed	--	--		Fathy, M. M., Abd El Megid, R. M. 1995. A Comparative Study of the Lipid Contents and the Antimicrobial Activity of Certain Rosaceous Seeds. Zagazig J Pharm Sci, 4(2): 121-127.
Mangifera indica	Fruit	520	2843	-0.3212761126292812	--
Manihot esculenta	Root	950	3015	-0.2580444031758306	--
Matricaria recutita	Plant	--	--		--
Medicago sativa	Seed Oil	--	--		--
Medicago sativa	Seed	--	--		--
Medicago sativa	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Melia azedarach	Seed	22800	22800	-0.22916306995346836	--
Mentha pulegium	Essential Oil	--	--		--
Mentha spicata	Leaf	1370	9480	-0.20652718082803365	USDA's Ag Handbook 8 and sequelae)
Mentha x piperita	Leaf	1760	8245	-0.2305670638390828	USDA's Ag Handbook 8 and sequelae)
Mimosa pudica	Seed	2090	14790	-0.3944353601576196	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Momordica charantia	Fruit	--	--		Jim Duke's personal files.
Momordica charantia	Seed Oil	--	--		Jim Duke's personal files.
Momordica charantia	Cotyledon	27100	519500	0.5807660362186364	Jim Duke's personal files.
Morinda citrifolia	Fruit	--	0.21	-0.3655323408481512	--
Moringa oleifera	Seed	6000	33615	0.538393633616372	--
Mucuna pruriens	Seed	1365	33830	-0.0015783806960667605	--
Murraya koenigii	Leaf	--	885	-0.3738330872895457	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Murraya sp	Plant	--	--		--
Musa x paradisiaca	Fruit	1250	4856	-0.28993795982707443	USDA's Ag Handbook 8 and sequelae)
Musa x paradisiaca	Plant	--	--		--
Myrica cerifera	Fruit	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Myristica fragrans	Seed	25000	128000	1.9414542745504888	--
Myristica fragrans	Seed Essent. Oil	--	--		--
Myrtus communis	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Nardostachys chinensis	Root	--	--		--
Nelumbo nucifera	Rhizome	280	1340	-1	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Nelumbo nucifera	Seed	770	2333	-0.6514636896299181	--
Nepeta cataria	Seed Oil	--	--		--
Nerium oleander	Seed	--	--		--
Nicotiana tabacum	Seed	57500	140000	2.189053211185921	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Nigella sativa	Seed	22464	50523	0.3428523734085393	--
Nigella sativa	Seed Oil	120000	171200	-0.07081453176760302	--
Ocimum basilicum	Seed	--	16940	-0.350073884010438	--
Ocimum sanctum	Seed	10700	10700	-0.47882533106086284	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ocimum tenuiflorum	Seed	10700	10700	-0.47882533106086284	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Oenanthe javanica	Root	--	--		--
Oenothera biennis	Seed	7500	31590	-0.047796848868014136	--
Oenothera biennis	Seed Oil	17000	86000	-0.6373307859084272	--
Olea europaea	Fruit	14250	38000	0.45131132359283294	--
Opuntia ficus-indica	Seed	6480	21840	-0.24897098488430294	--
Opuntia ficus-indica	Seed Oil	--	120000	-0.4112562243968307	--
Opuntia ficus-indica	Flower	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum vulgare	Plant	17000	18309	0.11442945147299585	USDA's Ag Handbook 8 and sequelae)
Oryza sativa	Seed	1800	3240	-0.6327493366692233	--
Pachira aquatica	Seed	266800	324800	6.002076835371579	--
Pachyrhizus erosus	Seed	--	--		--
Paeonia lactiflora	Root	--	--		Economic & Medicinal Plant Research, 1: 53.
Panax ginseng	Root	--	--		--
Panax ginseng	Plant	--	--		--
Panax ginseng	Root Essent. Oil	--	86000	1.2911413065205417	--
Panax ginseng	Stem Essent. Oil	--	160000		--
Panax ginseng	Leaf Essent. Oil	--	160000		--
Panax quinquefolius	Plant	--	30	-1.0441687446910903	--
Panax quinquefolius	Root	--	--		--
Panax quinquefolius	Root Essent. Oil	6543	41917	-1.1452861672753163	--
Papaver bracteatum	Seed	34650	37920	0.08281159020717645	--
Papaver somniferum	Seed	38630	46620	0.26232081926786494	--
Papaver somniferum	Latex Exudate	--	--		--
Papaver somniferum	Seed Oil	--	--		--
Passiflora edulis	Seed	15595	15595	-0.377825598158326	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Passiflora incarnata	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Pastinaca sativa	Root	300	1730	-0.3196564172593014	--
Pastinaca sativa	Seed	1730	2880	-0.6401773047682863	--
Persea americana	Fruit	4270	266000	3.7755218391691936	--
Petasites hybridus	Root	--	--		--
Petiveria alliacea	Leaf	--	--		Germosen-Robineau, L. (Ed.) 1997. Farmacopea Vegetal Caribena. Endacaribe, Tramil. Ediciones Emile Desormeaux, Martinique F.W.I. 360 pp.
Petroselinum crispum	Seed	5000	5000	-0.5964348259626931	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Petroselinum crispum	Fruit Essent. Oil	--	5000		--
Peucedanum ostruthium	Plant	--	--		--
Phaseolus lunatus	Seed	1180	5813	-0.5796599980056426	--
Phaseolus vulgaris	Fruit	220	2261	-0.33033662178520984	USDA's Ag Handbook 8 and sequelae)
Phaseolus vulgaris	Seed	3430	3855	-0.6200598911666574	USDA's Ag Handbook 8 and sequelae)
Phaseolus vulgaris	Sprout Seedling	640	6882	1.3448727445716455	USDA's Ag Handbook 8 and sequelae)
Phoenix dactylifera	Seed	15000	17500	-0.18376993157030574	--
Phyllanthus emblica	Seed	4785	4785	-0.6008709735774114	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
Phyllanthus emblica	Seed Oil	--	--		--
Physalis peruviana	Seed	4160	4160	-0.6137667515271734	--
Physostigma venenosum	Seed	--	--		--
Picrasma quassioides	Seed	--	--		--
Pimpinella anisum	Seed	2560	9730	-0.4988395784388936	--
Pinellia ternata	Tuber	--	--		--
Pinus edulis	Seed	44160	46930	0.2687171251309469	USDA's Ag Handbook 8 and sequelae)
Pinus gerardiana	Seed	11850	20000	-0.2869361551684026	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus pinea	Seed	36720	39350	0.11231713015623214	USDA's Ag Handbook 8 and sequelae)
Pinus sylvestris	Pollen Or Spore	--	--		--
Pinus walliciana	Seed	15350	15350	-0.38288074311463277	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Piper nigrum	Fruit	12200	13633	-0.1532986318862056	USDA's Ag Handbook 8 and sequelae)
Pistacia vera	Seed	38540	55643	0.44849458637299044	--
Pisum sativum	Fruit	330	3264	-0.3147220329821232	--
Pisum sativum	Seed	640	3027	-0.6371442177945023	--
Plantago asiatica	Seed	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Plantago ovata	Seed	1300	5500	-0.5861182036028835	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Plantago ovata	Seed Coat	--	--		--
Plantago psyllium	Seed	--	--		--
Portulaca oleracea	Herb	616	18966		--
Prunus africana	Bark	--	--		--
Prunus armeniaca	Fruit	240	1760	-0.3381361322441793	USDA's Ag Handbook 8 and sequelae)
Prunus cerasus	Fruit	480	3456	-0.3117329990337756	--
Prunus cerasus	Seed	12900	17200	-0.3447092403833368	--
Prunus domestica	Fruit	410	2770	-0.3224125682450592	USDA's Ag Handbook 8 and sequelae)
Prunus domestica	Seed	2340	2520	-0.6476052728673493	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Prunus dulcis	Seed	19950	36139	0.31101527680616664	--
Prunus laurocerasus	Seed	2475	2970	-0.6383203127435205	--
Prunus persica	Fruit	90	730	-0.3541710539462523	--
Prunus persica	Seed	--	--		--
Psidium cattleianum	Fruit	1440	7445	-0.24963270517982486	--
Psidium guajava	Fruit	1440	10368	-0.2041277768932623	USDA's Ag Handbook 8 and sequelae)
Psophocarpus tetragonolobus	Leaf	760	3283	-0.3271548367142454	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Psophocarpus tetragonolobus	Seed	660	13692	-0.41709066285976165	--
Psophocarpus tetragonolobus	Tuber	620	1455	1	--
Pueraria montana	Stem	--	--		--
Punica granatum	Seed	--	--		--
Pyrus communis	Fruit	170	1050	-0.3491893306990064	--
Quisqualis indica	Fruit	--	--		--
Quisqualis indica	Seed	67160	78840	0.9271239641340009	--
Raphanus sativus	Root	260	5040	-0.16095154051510815	--
Rheum officinale	Root	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Rhus toxicodendron	Fruit	--	--		--
Ribes nigrum	Fruit	200	1108	-0.34828639336044304	USDA's Ag Handbook 8 and sequelae)
Ribes rubrum	Fruit	100	623	-0.3558368176570502	--
Ribes uva-crispa	Fruit	190	1566	-0.3411563019628222	--
Ricinus communis	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Robinia pseudoacacia	Seed	1380	6115	-0.5734287581003176	--
Rosa canina	Seed Oil	--	--		--
Rosa rubiginosa	Seed Oil	--	--		--



Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosmarinus officinalis	Leaf	19210	59600	0.7690832940819118	USDA's Ag Handbook 8 and sequelae)
Rubus idaeus	Fruit	130	970	-0.35043476151081787	Revised USDA data received 1993.
Ruta graveolens	Seed Oil	--	--		--
Salvia officinalis	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Salvia officinalis	Fruit Essent. Oil	--	--		--
Salvia sclarea	Seed	22419	22419	-0.23702433619164334	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Salvia sp.	Seed	11855	35640	0.03576779224644429	--
Sambucus canadensis	Seed	11658	18560	-0.31664802756465443	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sambucus nigra	Seed	--	--		--
Sambucus nigra	Leaf	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Sambucus nigra	Flower	--	--		--
Santalum acuminatum	Seed	18000	24000	-0.2044031762899251	--
Santalum album	Fruit	--	--		--
Satureja hortensis	Seed	8400	8400	-0.5262817939159874	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
Saussurea lappa	Root	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Schisandra chinensis	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Schoenocaulon officinale	Seed	--	--		--
Scutellaria baicalensis	Root Essent. Oil	--	--		--
Secale cereale	Seed	2710	3045	-0.6367728193895491	USDA's Ag Handbook 8 and sequelae)
Senna obtusifolia	Seed	8960	8960	-0.5147271768730005	--
Serenoa repens	Seed	--	--		--
Serenoa repens	Fruit	3800	87000	0.9888703977409701	--
Sesamum indicum	Seed	25584	54144	0.41756535253828103	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sesamum indicum	Seed Oil	--	120000	-0.4112562243968307	--
Silybum marianum	Plant	--	--		--
Silybum marianum	Seed Oil	--	--		--
Silybum marianum	Seed	--	--		--
Simarouba glauca	Seed	70870	77380	0.8969994268433565	--
Sinapis alba	Seed	7420	8539	-0.5234137728999603	--
Skimmia arborescens	Seed	22250	22250	-0.240511354549259	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
Solanum melongena	Fruit	140	1735	-0.3385253293728704	--
Solanum nigrum	Seed	3870	3870	-0.6197503924958631	--
Solanum tuberosum	Tuber	160	760	-1	--
Spartium junceum	Seed	--	--		--
Spinacia oleracea	Plant	106	4869	-0.7374530233038146	--
Spinacia oleracea	Leaf	--	--		--
Stellaria media	Plant	--	--		--
Sterculia urens	Seed	35640	46332	0.25637844478861455	--
Strychnos nux-vomica	Seed	5040	6300	-0.569611607827188	--
Swertia chirata	Plant	--	--		--
Tagetes minuta	Seed Oil	--	216400	0.22973165000663703	--
Tamarindus indica	Fruit	1680	2449	-0.3274098593774528	USDA's Ag Handbook 8 and sequelae)
Tamarindus indica	Seed Oil	--	--		--
Taraxacum officinale	Root	--	--		--
Taraxacum officinale	Pollen Or Spore	--	--		--
Tecoma stans	Seed	1200	1380	-0.6711271718477153	--
Terminalia bellirica	Seed	29500	82600	1.0047049642797696	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Terminalia catappa	Seed	156600	232440	4.096390353067535	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Terminalia catappa	Seed Oil	--	--		Abdullahi, A. H., Anelli, G. 1980. Fatty Acid Composition and Characteristics of Terminalia catappa Oil Seed from Somalia. Riv. Agric. Subtrop. Trop. 74: 245-247.
Terminalia chebula	Seed Oil	--	--		Miglani, B. D., Chawla, A. S. 1974. Chemical Investigation of the Oil of Terminalia chebula. J. Inst. Chem. (Calcutta) 46: 189-.
Terminalia chebula	Fruit	--	--		Lu, P. P., Liu, X. J., Li, X. G., Wen, J. Q. 1991. Chemical Constituents of Fruits of Terminalia chebula Retz. Shanghai Yike Daxue Xuebao 18 (3): 233-235.
Terminalia pallida	Seed Oil	--	273000	0.6060793024053536	Gunasekar, D., Sreeramulu, K., Rao, K. V. 1992. Fatty Acid Composition of the Seed Oil of Terminalia pallida. Asian J. Chem. 4 2: 400-401.
Tetragonia tetragonioides	Leaf	240	4000	-0.31319807872321526	--
Teucrium polium	Plant	--	--		Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.
Theobroma angustifolium	Seed	8740	23000	-0.2250364210095445	--
Theobroma bicolor	Seed	20915	22090	-0.2438126737043981	--
Theobroma cacao	Seed	89040	180500	3.024699622330506	--
Thespesia populnea	Seed	42800	42800	0.18350182443891894	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Thevetia neriifolia	Seed	85500	102600	1.417369858672157	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Thevetia peruviana	Seed	85500	114570	1.6643497979660007	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thymus vulgaris	Plant	17200	18576	0.13135300956566015	USDA's Ag Handbook 8 and sequelae)
Tilia sp.	Wood	--	--		--
Tribulus terrestris	Fruit	2800	4000	-0.3032640695134574	--
Trichosanthes anguina	Seed	7060	9000	-0.5139018470842157	--
Trifolium pratense	Pollen Or Spore	--	--		--
Trigonella foenum-graecum	Plant	--	--		--
Trigonella foenum-graecum	Seed Oil	--	276300	0.6280218333755967	--
Triticum aestivum	Plant	--	--		--
Tussilago farfara	Leaf	--	--		--
Urtica dioica	Seed	10000	13500	-0.4210522458459286	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Urtica dioica	Root	--	--		Jim Duke's personal files.
Valeriana jatamansi	Root	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Valeriana officinalis	Plant	--	--		--
Valeriana officinalis	Root	--	83000	3.577003804191027	--
Vanilla planifolia	Fruit	--	258	-0.36151909573594015	--
Verbascum thapsus	Seed	--	309600	5.688451515633364	--
Verbascum thapsus	Seed Oil	--	656000	3.1527427453153964	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vernonia cinerea	Seed	1520	15200	-0.38597572982257566	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Vetiveria zizanioides	Root	--	--		--
Viburnum opulus	Bark	--	--		--
Viburnum opulus	Root Bark	--	--		--
Viburnum prunifolium	Bark	--	--		--
Vicia faba	Seed	1210	6370	-0.5681672806968147	USDA's Ag Handbook 8 and sequelae)
Vigna aconitifolia	Seed	3130	3465	-0.6281068566073089	--
Vigna angularis	Seed	331	381	-0.691739783322615	--
Vigna mungo	Seed	1269	3525	-0.6268688619241317	--
Vigna radiata	Seed	2500	4215	-0.6126319230675944	--
Vigna radiata	Sprout Seedling	320	3361	-0.29363830512965683	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Fruit	840	6913	-0.2579148200783713	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Seed	3180	3473	-0.6279417906495519	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Shoot	530	5185	-0.7071067811865476	--
Vigna unguiculata	Seed	1690	5090	-0.5945778339379274	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Shoot	530	5185	-0.7071067811865476	USDA's Ag Handbook 8 and sequelae)
Viola odorata	Leaf	--	--		--
Virola surinamensis	Seed	18000	29900	-0.08266703244417087	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Viscum album	Fruit	--	--		--
Vitellaria paradoxa	Seed	--	29980	-0.08101637286660132	--
Vitellaria paradoxa	Seed Oil	--	48000	-0.8900023546566821	Adomako, D. 1977. Fatty Acid Composition and Characteristics of Pentadesma Butyracea Fat Extracted From Ghana Seeds. J. Sci. Food Agr. 28: 384-386.
Vitis vinifera	Fruit	1620	8333	-0.23580842316871725	USDA's Ag Handbook 8 and sequelae)
Vitis vinifera	Seed	3300	11000	-0.472635357644977	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Vitis vinifera	Seed Oil	--	--		--
Zea mays	Seed	1710	7114	-0.5528161466254179	USDA's Ag Handbook 8 and sequelae)
Zea mays	Silk Stigma Style	--	--		--
Zingiber officinale	Rhizome	1200	11220	1	--
Zingiber officinale	Root	1200	11220	0.13536149219761523	USDA's Ag Handbook 8 and sequelae)