

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for STEARIC-ACID

Plant	Part	Low PPM	High PPM	StdDev	Reference
Azadirachta indica	Fruit	79650.0	81000.0	5.092538330435788	--
Carapa guianensis	Seed	220000.0	260000.0	5.0757270774091445	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vitellaria paradoxa	Seed	215660.0	233020.0	4.49035269342842	--
Elaeis guineensis	Fruit	4600.0	69615.0	4.33750765035072	--
Theobroma cacao	Seed	111300.0	215450.0	4.109143355899089	--
Rosmarinus officinalis	Leaf	2310.0	7165.0	4.046790825325211	USDA's Ag Handbook 8 and sequelae)
Simarouba glauca	Seed	169600.0	185220.0	3.453255007947373	--
Theobroma bicolor	Seed	172655.0	182375.0	3.391528168717382	--
Verbascum thapsus	Seed		164000.0	2.9928530647275444	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vitellaria paradoxa	Seed Oil		459000.0	2.8194953554837765	Adomako, D. 1977. Fatty Acid Composition and Characteristics of Pentadesma Butyracea Fat Extracted From Ghana Seeds. J. Sci. Food Agr. 28: 384-386.
Zingiber officinale	Root	170.0	1540.0	2.8114380671291452	USDA's Ag Handbook 8 and sequelae)
Momordica charantia	Seed	29800.0	147800.0	2.641368075087524	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Theobroma angustifolium	Seed	43700.0	115050.0	1.9308042843029158	--
Terminalia bellirica	Seed	40000.0	112000.0	1.8646296411916774	--
Momordica charantia	Cotyledon	121200.0	241800.0	1.7319277911844766	Jim Duke's personal files.
Verbascum thapsus	Seed Oil		325000.0	1.7217050423196145	--
Origanum vulgare	Plant	5800.0	6247.0	1.7106077122414611	USDA's Ag Handbook 8 and sequelae)
Anacardium occidentale	Seed	17725.0	102000.0	1.6476635982040109	--
Jatropha curcas	Seed	26400.0	87360.0	1.3300253112700666	--
Anamirta cocculus	Seed	52250.0	85500.0	1.2896696272743606	--
Luffa aegyptiaca	Seed	36000.0	81000.0	1.192034907929911	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thevetia peruviana	Seed	59000.0	79060.0	1.1499434955903036	--
Balanites aegyptiacus	Seed	42000.0	77000.0	1.1052484907348443	--
Canarium indicum	Seed		74297.0	1.046602569315278	--
Bertholletia excelsa	Seed	16228.0	72800.0	1.0141227526800243	--
Psophocarpus tetragonolobus	Tuber	360.0	845.0	1.0	--
Zingiber officinale	Rhizome	170.0	1540.0	1.0	--
Raphanus sativus	Root	40.0	775.0	0.9754132071842386	--
Thevetia neriifolia	Seed	59000.0	70800.0	0.970729544082491	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cucumis sativus	Seed	11100.0	69785.0	0.9487074907192428	--
Phaseolus vulgaris	Sprout Seedling	90.0	968.0	0.8890008890013331	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Flower	20.0	410.0	0.8880673443552061	USDA's Ag Handbook 8 and sequelae)
Citrullus lanatus	Seed	12200.0	66000.0	0.8665858434484109	--
Pastinaca sativa	Root	140.0	685.0	0.7594102824848379	--
Moringa oleifera	Seed	6000.0	60000.0	0.7364062176558109	--
Vigna unguiculata	Shoot	80.0	783.0	0.7071067811865476	--
Vigna unguiculata	Shoot	80.0	783.0	0.7071067811865476	USDA's Ag Handbook 8 and sequelae)
Salvia sp.	Seed	6610.0	58320.0	0.6999559224338829	--
Brassica oleracea var. botrytis l.	Flower	30.0	390.0	0.6447612226140537	--
Psophocarpus tetragonolobus	Leaf	440.0	1901.0	0.616816492807743	--
Silybum marianum	Seed Oil		178000.0	0.5174126838484817	--
Vigna radiata	Sprout Seedling	80.0	840.0	0.5080005080007616	USDA's Ag Handbook 8 and sequelae)
Aleurites moluccana	Seed	38190.0	46230.0	0.43764397646179387	Wealth of India.
Trichosanthes anguina	Seed	30500.0	41100.0	0.3263403964091208	--
Terminalia catappa	Seed	21600.0	40525.0	0.31386484893733	--
Mentha spicata	Leaf	200.0	1385.0	0.28059560458984517	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Cedrus deodora</i>	Seed		37995.0	0.2589724400614503	--
<i>Cucumis melo</i>	Seed	10080.0	35145.0	0.19713711780996532	--
<i>Sesamum indicum</i>	Seed	11808.0	32832.0	0.146952872066918	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Cocos nucifera</i>	Seed	584.0	32710.0	0.14430588634246846	--
<i>Mentha x piperita</i>	Leaf	250.0	1170.0	0.14050356783238777	--
<i>Capparis spinosa</i>	Flower		348.0	0.1338183669576338	--
<i>Ceiba pentandra</i>	Seed	4000.0	32000.0	0.12890129729034414	--
<i>Dodonaea viscosa</i>	Seed	7490.0	31400.0	0.11588333471108414	--
<i>Cucurbita pepo</i>	Seed	22670.0	30710.0	0.10091267774493513	--
<i>Olea europaea</i>	Fruit	2100.0	5600.0	0.09215947418510027	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Cucurbita foetidissima</i>	Seed	2430.0	28475.0	0.052420767137191626	--
<i>Helianthus annuus</i>	Seed	9000.0	28000.0	0.04211488009527745	--
<i>Macadamia spp</i>	Seed	23560.0	27810.0	0.03799252527851179	--
<i>Allium schoenoprasum</i>	Leaf	80.0	1000.0	0.0297331201637005	USDA's Ag Handbook 8 and sequelae)
<i>Persea americana</i>	Fruit	120.0	4320.0	0.007272406068377717	--
<i>Tribulus terrestris</i>	Fruit	2800.0	4000.0	-0.01394936096080292	--
<i>Quisqualis indica</i>	Seed	20930.0	24570.0	-0.032304472649492225	--
<i>Physalis peruviana</i>	Fruit		3400.0	-0.053740174140516614	--
<i>Trigonella foenum-graecum</i>	Seed Oil		107400.0	-0.06097534681860657	--
<i>Melia azedarach</i>	Seed		22800.0	-0.07070746225830923	--
<i>Cucurbita maxima</i>	Seed		21450.0	-0.09999787806164424	--
<i>Pinus edulis</i>	Seed	20110.0	21400.0	-0.10108270827658257	USDA's Ag Handbook 8 and sequelae)
<i>Juglans regia</i>	Seed	2000.0	21030.0	-0.10911045186712624	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>Serenoa repens</i>	Fruit	720.0	2305.0	-0.12635840819349412	--
<i>Brassica oleracea</i> var. <i>italica</i>	Leaf	70.0	752.0	-0.13186141525885503	USDA's Ag Handbook 8 and sequelae)
<i>Brassica oleracea</i> var. <i>botrytis</i> l.	Leaf	70.0	752.0	-0.13186141525885503	--
<i>Capsicum annuum</i>	Fruit	160.0	2180.0	-0.1346481609392678	USDA's Ag Handbook 8 and sequelae)
<i>Asimina triloba</i>	Fruit	102.0	2124.0	-0.1383619701693744	--
<i>Lawsonia inermis</i>	Seed	8835.0	19285.0	-0.1469710263684741	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Elettaria cardamomum</i>	Seed	1830.0	18300.0	-0.16834218160275924	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Borago officinalis</i>	Seed	6110.0	18000.0	-0.17485116289238925	--
<i>Pinus pinea</i>	Seed	16720.0	17920.0	-0.1765868912362906	USDA's Ag Handbook 8 and sequelae)
<i>Prunus domestica</i>	Seed	16380.0	17640.0	-0.18266194043994524	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Terminalia pallida</i>	Seed Oil		92000.0	-0.18713930818224905	Gunasekar, D., Sreeramulu, K., Rao, K. V. 1992. Fatty Acid Composition of the Seed Oil of <i>Terminalia pallida</i> . Asian J. Chem. 4 2: 400-401.
<i>Lactuca sativa</i>	Leaf	40.0	667.0	-0.18724663909319866	--
<i>Pachira aquatica</i>	Seed	0.0	17400.0	-0.18786912547164925	--
<i>Brassica napus</i> var. <i>napobrassica</i>	Root	30.0	290.0	-0.18860255369586548	USDA's Ag Handbook 8 and sequelae)
<i>Lycopersicon esculentum</i>	Fruit	80.0	1322.0	-0.19154902378625838	--
<i>Lepidium sativum</i>	Leaf	70.0	660.0	-0.19180777517367403	--
<i>Benincasa hispida</i>	Fruit	50.0	1280.0	-0.19433438070883846	--
<i>Coriandrum sativum</i>	Fruit	1100.0	1207.0	-0.1991755963123703	USDA's Ag Handbook 8 and sequelae)
<i>Psidium guajava</i>	Fruit	160.0	1152.0	-0.2028230875205107	USDA's Ag Handbook 8 and sequelae)
<i>Prunus cerasus</i>	Fruit	160.0	1152.0	-0.2028230875205107	--
<i>Althaea officinalis</i>	Seed	12415.0	16685.0	-0.20338219754526743	Wealth of India.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Linum usitatissimum</i>	Seed	13595.0	16545.0	-0.20641972214709475	Cunane, S. and Thompson, L. U., eds. 1995. Flaxseed in Human Nutrition. AOCS Press, Champaign IL. 384 pp.
<i>Anethum graveolens</i>	Fruit	1000.0	1083.0	-0.2073990310361778	--
<i>Ribes uva-crispa</i>	Fruit	130.0	1071.0	-0.20819484729977206	--
<i>Vigna unguiculata</i>	Fruit	130.0	1070.0	-0.20826116532173825	USDA's Ag Handbook 8 and sequelae)
<i>Hippophae rhamnoides</i>	Fruit		1040.0	-0.21025070598072393	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Luffa aegyptiaca</i>	Fruit	50.0	1000.0	-0.21290342685937153	--
<i>Capparis spinosa</i>	Seed	11060.0	16200.0	-0.21390505063016926	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Rubus idaeus</i>	Fruit	130.0	970.0	-0.2148929675183572	Revised USDA data received 1993.
<i>Tamarindus indica</i>	Fruit	600.0	874.0	-0.2212594976271114	USDA's Ag Handbook 8 and sequelae)
<i>Psidium cattleianum</i>	Fruit	160.0	825.0	-0.22450908070345468	--
<i>Ananas comosus</i>	Fruit	110.0	815.0	-0.22517226092311657	USDA's Ag Handbook 8 and sequelae)
<i>Cucumis sativus</i>	Fruit	30.0	759.0	-0.22888607015322318	--
<i>Lepidium sativum</i>	Seed	9560.0	15325.0	-0.2328895793915901	--
<i>Bactris gasipaes</i>	Fruit	125.0	650.0	-0.23611473454753784	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Elettaria cardamomum</i>	Fruit	600.0	650.0	-0.23611473454753784	Revised USDA data received 1993.
<i>Cucurbita spp</i>	Fruit	40.0	635.0	-0.2371095048770307	--
<i>Mimosa pudica</i>	Seed	2135.0	15130.0	-0.2371204172298496	--
<i>Solanum melongena</i>	Fruit	50.0	620.0	-0.23810427520652352	--
<i>Prunus domestica</i>	Fruit	90.0	608.0	-0.2389000914701178	USDA's Ag Handbook 8 and sequelae)
<i>Ficus carica</i>	Fruit	120.0	574.0	-0.24115490421696825	USDA's Ag Handbook 8 and sequelae)
<i>Fragaria spp</i>	Fruit	40.0	475.0	-0.247720388391621	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Juglans nigra	Seed	13940.0	14575.0	-0.2491620326156651	USDA's Ag Handbook 8 and sequelae)
Malus domestica	Fruit	70.0	435.0	-0.25037310927026857	--
Phaseolus vulgaris	Fruit	40.0	411.0	-0.25196474179745715	USDA's Ag Handbook 8 and sequelae)
Ribes nigrum	Fruit	70.0	388.0	-0.2534900563026795	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Fruit	30.0	357.0	-0.2555459149836314	USDA's Ag Handbook 8 and sequelae)
Pisum sativum	Fruit	30.0	297.0	-0.25952499630160275	--
Capsicum frutescens	Fruit	30.0	245.0	-0.2629735334438446	USDA's Ag Handbook 8 and sequelae)
Musa x paradisiaca	Fruit	60.0	233.0	-0.26376934970743887	USDA's Ag Handbook 8 and sequelae)
Prunus armeniaca	Fruit	30.0	220.0	-0.26463148399299935	USDA's Ag Handbook 8 and sequelae)
Ribes rubrum	Fruit	30.0	187.0	-0.2668199787178836	--
Arachis hypogaea	Seed	10980.0	13760.0	-0.26684476511915994	--
Carica papaya	Fruit	20.0	179.0	-0.2673505228936131	--
Mangifera indica	Fruit	30.0	164.0	-0.26834529322310596	--
Citrus paradisi	Fruit	10.0	110.0	-0.27192646640928014	USDA's Ag Handbook 8 and sequelae)
Citrus aurantiifolia	Fruit	10.0	85.0	-0.2735844169584349	--
Prunus persica	Fruit	10.0	80.0	-0.27391600706826585	--
Citrus reticulata	Fruit	10.0	80.0	-0.27391600706826585	USDA's Ag Handbook 8 and sequelae)
Vanilla planifolia	Fruit		39.0	-0.2766350459688796	--
Carica papaya	Seed	12650.0	13282.0	-0.2772157419739704	--
Linum usitatissimum	Seed Oil		81000.0	-0.2772564234419937	--
Lactuca scariola	Seed		13165.0	-0.2797542446769261	--
Pinus walliciana	Seed		13130.0	-0.28051362582738293	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Holarrhena pubescens	Seed		12920.0	-0.28506991273012394	--
Coffea arabica	Seed	5920.0	12800.0	-0.28767350524597596	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Mucuna pruriens	Seed	390.0	12475.0	-0.29472490164307513	--
Oenothera biennis	Seed	1875.0	12150.0	-0.30177629804017425	--
Corchorus olitorius	Leaf	60.0	490.0	-0.3025782228423614	--
Papaver bracteatum	Seed	9900.0	12000.0	-0.3050307886849893	--
Artocarpus altilis	Seed	5100.0	11660.0	-0.31240763414656997	USDA's Ag Handbook 8 and sequelae)
Prunus cerasus	Seed	8700.0	11600.0	-0.31370943040449595	--
Carum carvi	Plant	1100.0	1221.0	-0.31662981705011717	--
Prunus dulcis	Seed	10210.0	10680.0	-0.3336703063593613	USDA's Ag Handbook 8 and sequelae)
Opuntia ficus-indica	Seed	3130.0	10555.0	-0.3363823818967071	--
Corylus avellana	Seed	8000.0	10400.0	-0.33974535556301594	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Cryptostegia grandifolia	Seed		10240.0	-0.3432168122508186	--
Nigella sativa	Seed	8722.0	10192.0	-0.3442582492571594	--
Abelmoschus esculentus	Seed	7200.0	10120.0	-0.34582040476667064	--
Phoenix dactylifera	Seed	3000.0	10000.0	-0.3484239972825226	--
Ipomoea batatas	Root	60.0	221.0	-0.35420479596540605	--
Bactris gasipaes	Seed		9700.0	-0.3549329785721526	--
Manihot esculenta	Root	70.0	220.0	-0.3566048284620661	--
Pistacia vera	Seed	6280.0	8960.0	-0.37098846575323996	--
Sambucus canadensis	Seed	5628.0	8960.0	-0.37098846575323996	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Salvia sclarea	Seed		8568.0	-0.3794935346383565	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Satureja hortensis	Seed		8400.0	-0.3831385641605493	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Psophocarpus tetragonolobus	Seed	7450.0	8128.0	-0.38904004052981384	--
Papaver somniferum	Seed	5890.0	8036.0	-0.39103612812530036	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Colocasia esculenta	Root	60.0	205.0	-0.39260531591196624	--
Aleurites fordii	Seed	3900.0	7800.0	-0.3961565267398093	--
Glycine max	Seed	4320.0	7785.0	-0.3964819758042908	--
Tetragonia tetragonioides	Leaf	20.0	335.0	-0.40357480748145863	--
Cichorium endivia	Leaf	20.0	322.0	-0.41204548877377	--
Hippophae rhamnoides	Seed		6610.0	-0.4219754858553416	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Eruca sativa	Seed	2900.0	6600.0	-0.4221924518983293	--
Ficus carica	Seed	5232.0	6540.0	-0.4234942481562553	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Erythrina crista-galli	Seed		6500.0	-0.424362112328206	--
Pinus gerardiana	Seed	3840.0	6485.0	-0.4246875613926875	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Portulaca oleracea	Seed		6438.0	-0.4257073017947295	--
Allium cepa	Seed		6300.0	-0.4287014331879593	Wealth of India.
Carthamus tinctorius	Seed	2000.0	6260.0	-0.42956929735990995	--
Brassica nigra	Leaf	20.0	294.0	-0.43029003309567143	USDA's Ag Handbook 8 and sequelae)
Hyoscyamus niger	Seed	4000.0	6224.0	-0.43035037511466556	--
Dipsacus fullonum	Seed	4200.0	5660.0	-0.44258725993917	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Cassia tora	Seed	2508.0	5624.0	-0.4433683376939256	--
Gossypium sp	Seed	1760.0	5589.0	-0.4441277188443824	--
Nigella sativa	Seed Oil	18100.0	60400.0	-0.4460212029284245	--
Corchorus olitorius	Seed	4180.0	5475.0	-0.4466011317344418	--
Sesamum indicum	Seed Oil		60000.0	-0.44929818893786977	--
Sterculia urens	Seed	4020.0	5226.0	-0.4520035862048347	--
Brassica oleracea var. sabellica l.	Leaf	40.0	260.0	-0.4524441226294089	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Aquilegia vulgaris	Seed		5100.0	-0.4547373583464793	--
Apium graveolens	Seed	3100.0	5000.0	-0.456907018776356	USDA's Ag Handbook 8 and sequelae)
Vitis vinifera	Seed	1440.0	4800.0	-0.4612463396361093	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Opuntia ficus-indica	Seed Oil		58000.0	-0.46568311898509607	--
Cyamopsis tetragonoloba	Seed Oil		58000.0	-0.46568311898509607	Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil (Cyamopsis tetragonoloba L. Taub). J Agr Food Chem, 32(5): 1073-1075.
Leonotis nepetaefolia	Seed	3360.0	4560.0	-0.4664535246678133	--
Juglans cinerea	Seed	4250.0	4397.0	-0.46999007116851227	--
Solanum nigrum	Seed		4085.0	-0.47675941170972747	--
Passiflora edulis	Seed		4050.0	-0.47751879286018434	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Skimmia arborescens	Seed		4000.0	-0.47860362307512266	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Brassica chinensis	Leaf	10.0	214.0	-0.48241730258681836	--
Brassica rapa	Leaf	10.0	214.0	-0.48241730258681836	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. gemmifera	Leaf	30.0	214.0	-0.48241730258681836	USDA's Ag Handbook 8 and sequelae)
Senna obtusifolia	Seed		3550.0	-0.48836709500956765	--
Lupinus albus	Seed	3160.0	3525.0	-0.4889095101170368	--
Cichorium intybus	Leaf	10.0	204.0	-0.48893321127321177	USDA's Ag Handbook 8 and sequelae)
Plantago ovata	Seed	1300.0	3450.0	-0.4905367554394443	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Phyllanthus emblica	Seed		3440.0	-0.49075372148243196	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Strychnos nux-vomica	Seed	2640.0	3300.0	-0.49379124608425934	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum tenuiflorum	Seed		3255.0	-0.4947675932777038	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ocimum sanctum	Seed		3255.0	-0.4947675932777038	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Robinia pseudoacacia	Seed	700.0	3125.0	-0.4975881518365435	--
Sinapis alba	Seed	2340.0	2846.0	-0.5036415044358994	--
Amphicarpaea bracteata	Seed	650.0	2560.0	-0.5098467332653467	--
Acacia farnesiana	Seed	600.0	2300.0	-0.515487850383026	--
Ceratonia siliqua	Seed	200.0	1820.0	-0.525902220446434	Wealth of India.
Carum carvi	Seed	1000.0	1800.0	-0.5263361525324093	--
Carica papaya	Seed Oil		50000.0	-0.5312228391740013	Jim Duke's personal files.
Croton tiglium	Seed	900.0	1500.0	-0.5328451338220394	--
Hordeum vulgare	Seed	130.0	1430.0	-0.534363896122953	Jim Duke's personal files.*
Dipteryx odorata	Seed		1425.0	-0.5344723791444468	--
Brassica oleracea var. capitata l.	Leaf	10.0	134.0	-0.5345445720779654	USDA's Ag Handbook 8 and sequelae)
Abutilon theophrasti	Seed		1375.0	-0.5355572093593851	Wealth of India.
Bixa orellana	Seed	200.0	1275.0	-0.5377268697892619	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.
Daucus carota	Seed	285.0	1240.0	-0.5384862509397187	--
Abrus precatorius	Seed		1225.0	-0.5388117000042002	Wealth of India.
Vigna radiata	Seed	710.0	1170.0	-0.5400050132406323	--
Anethum graveolens	Seed	1000.0	1083.0	-0.541892617814625	USDA's Ag Handbook 8 and sequelae)
Vigna mungo	Seed	387.0	1075.0	-0.5420661906490152	--
Aesculus hippocastanum	Seed		1015.0	-0.5433679869069411	--
Cicer arietinum	Seed	850.0	960.0	-0.5445613001433733	USDA's Ag Handbook 8 and sequelae)
Vicia faba	Seed	170.0	895.0	-0.5459715794227932	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Alliaria petiolata	Seed		880.0	-0.5462970284872747	--
Vigna unguiculata	Seed	270.0	813.0	-0.547750700975292	USDA's Ag Handbook 8 and sequelae)
Vigna angularis	Seed	662.0	762.0	-0.5488572277945292	--
Lablab purpureus	Seed	90.0	742.0	-0.5492911598805045	--
Phaseolus lunatus	Seed	220.0	739.0	-0.5493562496934008	--
Cajanus cajan	Seed	240.0	733.0	-0.5494864293191933	--
Tecoma stans	Seed	600.0	690.0	-0.5504193833040403	--
Vigna aconitifolia	Seed	510.0	565.0	-0.5531314588413861	--
Prunus laurocerasus	Seed	425.0	510.0	-0.5543247720778183	--
Ocimum basilicum	Seed		485.0	-0.5548671871852875	--
Fagopyrum esculentum	Seed		460.0	-0.5554096022927567	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Zea mays	Seed	110.0	457.0	-0.5554746921056529	USDA's Ag Handbook 8 and sequelae)
Ginkgo biloba	Seed	160.0	357.0	-0.5576443525355296	USDA's Ag Handbook 8 and sequelae)
Cucumis melo	Cotyledon	10100.0	61400.0	-0.5578470239835672	--
Pisum sativum	Seed	70.0	331.0	-0.5582084642472975	--
Oryza sativa	Seed	150.0	270.0	-0.5595319571095223	--
Phaseolus vulgaris	Seed	220.0	247.0	-0.5600309790083939	USDA's Ag Handbook 8 and sequelae)
Elaeagnus angustifolia	Seed		235.0	-0.5602913382599791	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.
Vigna unguiculata	Seed	200.0	218.0	-0.5606601805330582	USDA's Ag Handbook 8 and sequelae)
Lens culinaris	Seed	140.0	160.0	-0.5619185835823867	USDA's Ag Handbook 8 and sequelae)
Secale cereale	Seed	90.0	100.0	-0.5632203798403127	USDA's Ag Handbook 8 and sequelae)
Citrullus lanatus	Cotyledon		59100.0	-0.5870403836004546	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cucumis sativus	Cotyledon	28800.0	59100.0	-0.5870403836004546	--
Brassica rapa	Root	10.0	120.0	-0.5966080781280669	--
Dioscorea pentaphylla	Root	20.0	108.0	-0.625408468087987	--
Cichorium intybus	Root	20.0	100.0	-0.6446087280612671	USDA's Ag Handbook 8 and sequelae)
Allium cepa	Seed Oil		35000.0	-0.6541098145281985	--
Spinacia oleracea	Plant	7.0	356.0	-0.6655276409333674	--
Daucus carota	Root	10.0	80.0	-0.6926093779944673	--
Beta vulgaris	Root	10.0	79.0	-0.6950094104911273	USDA's Ag Handbook 8 and sequelae)
Colocasia esculenta	Plant		200.0	-0.7284502542579766	--
Eucommia ulmoides	Seed Oil		25000.0	-0.73603446476433	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Oenothera biennis	Seed Oil	5000.0	19000.0	-0.7851892549060089	--
Nelumbo nucifera	Rhizome	10.0	50.0	-1.0	--
Solanum tuberosum	Tuber	40.0	190.0	-1.0	--
Lens culinaris	Sprout Seedling	60.0	200.0	-1.397001397002096	USDA's Ag Handbook 8 and sequelae)
Asparagus officinalis	Shoot	30.0	387.0	-1.4142135623730951	--
Cynara cardunculus	Flower	30.0	200.0	-1.6666469339268937	USDA's Ag Handbook 8 and sequelae)
Piscidia piscipula	Plant				--
Brassica oleracea var. viridis l.	Plant				--
Ganoderma lucidum	Fruit				--
Harpagophytum procumbens	Tuber				--
Ganoderma lucidum	Tissue Culture				--
Ginkgo biloba	Pollen Or Spore				Jim Duke's personal files.
Pachyrhizus erosus	Seed				--
Quisqualis indica	Fruit				--
Theobroma cacao	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Allium ampeloprasum	Plant				--
Trifolium pratense	Pollen Or Spore				--
Camellia sinensis	Seed				--
Petiveria alliacea	Leaf				Germosen-Robineau, L. (Ed.) 1997. Farmacopea Vegetal Caribena. Endacaribe, Tramil. Ediciones Emile Desormeaux, Martinique F.W.I. 360 pp.
Opuntia ficus-indica	Flower				--
Nardostachys chinensis	Root				--
Piper nigrum	Fruit				=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
Arnica montana	Flower				--
Spinacia oleracea	Leaf				--
Crataegus laevigata	Bark				--
Chamaelirium luteum	Rhizome				Jim Duke's personal files.
Citrullus colocynthis	Seed				--
Valeriana officinalis	Root				--
Allium cepa	Bulb	20.0	195.0		--
Artemisia capillaris	Essential Oil				--
Papaver somniferum	Seed Oil				--
Papaver somniferum	Latex Exudate				--
Aesculus hippocastanum	Leaf				Jim Duke's personal files.
Spartium junceum	Seed				--
Iris versicolor	Rhizome				--
Areca catechu	Seed				--
Sambucus nigra	Leaf				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Zea mays	Silk Stigma Style				--
Myristica fragrans	Seed				--
Juglans nigra	Seed Oil				--
Ruta graveolens	Seed Oil				--
Medicago sativa	Seed Oil				--
Annona muricata	Plant				--
Crocus sativus	Silk Stigma Style				--
Ammi visnaga	Plant				--
Crataegus rhipidophylla	Bark				--
Myristica fragrans	Seed Essent. Oil				--
Centaurea calcitrapa	Plant				--
Silybum marianum	Seed				--
Sambucus nigra	Flower				--
Petasites hybridus	Root				--
Tamarindus indica	Seed Oil				--
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.
Houttuynia cordata	Shoot				--
Houttuynia cordata	Root				--
Alisma plantago-aquatica	Plant				--
Morus alba	Seed				--
Datura stramonium	Plant				--
Salvia officinalis	Seed				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Tagetes minuta	Seed Oil				--
Fucus vesiculosus	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sambucus nigra	Plant				--
Polypodium vulgare	Rhizome				--
Agrimonia eupatoria	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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-.
Plantago ovata	Seed Coat				--
Plantago psyllium	Seed				--
Cichorium intybus	Seed				--
Ligustrum japonicum	Seed				--
Cichorium intybus	Plant				--
Hypericum perforatum	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Coriandrum sativum	Seed Essent. Oil		2000.0		--
Annona reticulata	Plant				--
Taraxacum officinale	Pollen Or Spore				--
Prunus persica	Seed				--
Prunella vulgaris	Leaf				--
Hippophae rhamnoides	Bark		5720.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Cornus mas	Seed Oil				Hohn, M. E., Meinschein, W. G. 1976. Seed Oil Fatty Acids: Evolutionary Significance in the Nyssaceae and Cornaceae. Biochem. Syst. Ecol., 4: 193-199.
Murraya sp	Plant				--
Petroselinum crispum	Seed				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Stellaria media	Plant				--
Hordeum vulgare	Leaf				--
Centaurium erythraea	Plant				--
Angelica archangelica	Fruit				--
Angelica sinensis	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Capsicum frutescens	Seed				--
Nerium oleander	Flower				--
Rosa rubiginosa	Seed Oil				--
Caulophyllum thalictroides	Root				Jim Duke's personal files.
Lawsonia inermis	Oil	157800.0	158000.0		--
Carica papaya	Leaf				Jim Duke's personal files.
Citrus reticulata	Seed Oil				--
Hibiscus sabdariffa	Seed				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carica papaya	Flower				Jim Duke's personal files.
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.
Pinellia ternata	Tuber				--
Pueraria montana	Stem				--
Tussilago farfara	Flower				--
Physostigma venenosum	Seed				--
Arctium lappa	Plant				--
Apium graveolens	Pt	30.0	560.0		USDA's Ag Handbook 8 and sequelae)
Ganoderma lucidum	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Ilex paraguariensis	Leaf				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vitis vinifera	Seed Oil				--
Bryonia alba	Root				--
Capsicum annuum	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Silybum marianum	Plant				--
Trigonella foenum-graecum	Seed				--
Arctium lappa	Root				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Eleutherococcus senticosus	Rhizome				--
Withania somnifera	Plant				--
Juniperus communis	Plant				--
Myrica cerifera	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Musa x paradisiaca	Plant				--
Coix lacryma-jobi	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Rosa canina	Seed Oil				--
Swertia chirata	Plant				--
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.
Plantago asiatica	Seed				--
Salvia officinalis	Fruit Essent. Oil				--
Punica granatum	Seed				--
Akebia quinata	Seed				--
Carya illinoensis	Leaf				--
Chrysanthemum x morifolium	Flower				Wealth of India.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Triticum aestivum	Plant				--
Fagopyrum esculentum	Pollen Or Spore				--
Centella asiatica	Plant				--
Brassica oleracea	Stem	10.0	110.0		--
Serenoa repens	Seed				--
Nepeta cataria	Seed Oil				--
Achillea millefolium	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.
Phyllanthus emblica	Seed Oil				--
Schisandra chinensis	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
Scutellaria baicalensis	Root Essent. Oil				--
Momordica charantia	Seed Oil				Jim Duke's personal files.
Momordica charantia	Fruit				Jim Duke's personal files.
Cyperus rotundus	Rhizome				--
Elettaria cardamomum	Seed Oil				--
Lagenaria siceraria	Fruit				--
Lobelia inflata	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Angelica archangelica	Plant				Pakistan Encyclopedia Planta Medica. 1986.
Panax ginseng	Root				--
Panax quinquefolius	Plant				--
Urtica dioica	Root				Jim Duke's personal files.