

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for SUCROSE

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------------|----------|---------|----------|---------------------|---|
| Acacia nilotica | Seed | | | | -- |
| Acacia senegal | Plant | | | | Pakistan Encyclopedia Planta Medica. 1986. |
| 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. |
| Aesculus hippocastanum | Branches | | | | Jim Duke's personal files. |
| Alisma plantago-aquatica | Rhizome | | | | -- |
| Allium ampeloprasum | Plant | | | | -- |
| Allium sativum var. sativum | Bulb | | 70000.0 | -1.0 | -- |
| Allium sativum var. sativum | Leaf | | | | Osman, S. A. 1980. Chemical and Biological Studies of Onion and Garlic in an Attempt to Isolate a Hypoclycaemic Extract. Abstr. 4th Asian Symp. Med. Plants Spices Bangkok, Thailand, September 15-19: 117. |
| Allium cepa | Bulb | | | | Osman, S. A. 1980. Chemical and Biological Studies of Onion and Garlic in an Attempt to Isolate a Hypoclycaemic Extract. Abstr. 4th Asian Symp. Med. Plants Spices Bangkok, Thailand, September 15-19: 117. |
| Allium cepa | Leaf | | | | Osman, S. A. 1980. Chemical and Biological Studies of Onion and Garlic in an Attempt to Isolate a Hypoclycaemic Extract. Abstr. 4th Asian Symp. Med. Plants Spices Bangkok, Thailand, September 15-19: 117. |
| Alnus glutinosa | Leaf | | | | -- |
| Alocasia macrorrhiza | Plant | | | | -- |
| Althaea officinalis | Plant | | | | Wealth of India. |
| Anamirta cocculus | Fruit | | | | -- |
| Ananas comosus | Fruit | 59000.0 | 150000.0 | 0.31672247615443067 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| Anastatica hierochuntica | Fruit | | | | -- |
| Angelica sinensis | Root | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-------------------------|---------|---------|----------|--------------------|--|
| Angelica archangelica | Root | | | | Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp. |
| Annona squamosa | Fruit | 72900.0 | 272500.0 | 1.1852785797104357 | -- |
| Annona muricata | Plant | | | | -- |
| Apium graveolens | Plant | | | | -- |
| Apium graveolens | Shoot | | | | -- |
| Areca catechu | Seed | | | | -- |
| Arnica montana | Rhizome | | 10000.0 | -0.889354596263753 | -- |
| Artemisia dracunculus | Leaf | | | | -- |
| Artemisia dracunculus | Root | | | | -- |
| Asimina triloba | Fruit | 60000.0 | 545000.0 | 3.117372769253386 | -- |
| Asparagus officinalis | Rhizome | | | | -- |
| Astragalus membranaceus | Root | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| Avena sativa | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Ballota nigra | Root | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Berberis vulgaris | Fruit | | | | Jim Duke's personal files. |
| Beta vulgaris | Root | | 270000.0 | 1.482333586643039 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Carica papaya | Leaf | | | | Jim Duke's personal files. |
| Carica papaya | Fruit | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| Carica papaya | Bark | | | | Jim Duke's personal files. |
| Castanea sativa | Seed | | 216000.0 | 2.37489551314627 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-------------------------|---------------------|---------|----------|----------------------|--|
| Ceratonia siliqua | Fruit | 75000.0 | 175000.0 | 0.4939788238189215 | -- |
| Cichorium intybus | Root | | 140000.0 | 0.1611945921135931 | -- |
| Citrus mitis | Jf | | 11000.0 | | -- |
| Citrus sinensis | Fruit | | 47000.0 | -0.41357367622327157 | -- |
| Citrus mitis | Fruit Juice | | 11000.0 | | -- |
| Citrus paradisi | Fruit | | 21400.0 | -0.5950841762317102 | -- |
| Cnidium officinale | Rhizome | | | | -- |
| Cocos nucifera | Resin, Exudate, Sap | | 134000.0 | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Cocos nucifera | Juice | | 4300.0 | | Jim Duke's personal files. |
| Coriandrum sativum | Fruit | | | | -- |
| Coriaria myrtifolia | Leaf | | | | -- |
| Corylus avellana | Plant | | | | -- |
| Corylus avellana | Seed | 20000.0 | 50000.0 | 0.013405722315597973 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Crataegus laevigata | Bark | | | | -- |
| Crataegus rhipidophylla | Bark | | | | -- |
| Cucurbita pepo | Seed | | 14000.0 | -0.4987245937681623 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Cucurbita foetidissima | Seed | | 23000.0 | -0.37069201474722224 | Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29. |
| Cyphomandra betacea | Fruit | | | | -- |
| Daphne mezereum | Plant | | | | -- |
| Daucus carota | Root | 60000.0 | 339000.0 | 2.183553514508668 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------------------|--------|---------|----------|---------------------|--|
| <i>Dianthus caryophyllus</i> | Seed | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| <i>Echinacea angustifolia</i> | Root | | 69200.0 | -0.5583180295224436 | Jim Duke's personal files. |
| <i>Echinacea purpurea</i> | Root | | 34000.0 | -0.9160418188104167 | Jim Duke's personal files. |
| <i>Eleocharis dulcis</i> | Tuber | 63500.0 | 317500.0 | | -- |
| <i>Eleutherococcus senticosus</i> | Root | | | | Kameoka, H. and Nakai, K. 1987. Components of essential oil from the root of <i>Glycyrrhiza-glabra</i> . Nippon Gogeikagaku Kaishi 61(9): 1119-1122. |
| <i>Eriobotrya japonica</i> | Fruit | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| <i>Ficus carica</i> | Fruit | 2250.0 | 460000.0 | 2.5147011871941167 | -- |
| <i>Gentiana lutea</i> | Root | | | | -- |
| <i>Ginkgo biloba</i> | Wood | 10000.0 | 20000.0 | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| <i>Ginkgo biloba</i> | Seed | | 3600.0 | -0.6466733517479153 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| <i>Glycine max</i> | Stem | | | | -- |
| <i>Glycine max</i> | Seed | 27950.0 | 71700.0 | 0.3221064961771977 | -- |
| <i>Glycyrrhiza uralensis</i> | Root | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| <i>Glycyrrhiza glabra</i> | Root | 24000.0 | 91700.0 | -0.3296593573923472 | -- |
| <i>Harpagophytum procumbens</i> | Tuber | | | | -- |
| <i>Harpagophytum procumbens</i> | Root | | 27300.0 | -0.9841312900669343 | -- |
| <i>Helianthus annuus</i> | Flower | | | | -- |
| <i>Hibiscus sabdariffa</i> | Calyx | | 2400.0 | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| <i>Hippophae rhamnoides</i> | Fruit | 1000.0 | 5000.0 | -0.7113643402996163 | Abstract (See species file) |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|--------------------------------|-------|---------|----------|----------------------|---|
| <i>Humulus lupulus</i> | Fruit | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| <i>Hydrastis canadensis</i> | Plant | | | | -- |
| <i>Jatropha curcas</i> | Seed | | | | -- |
| <i>Kalmia latifolia</i> | Leaf | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| <i>Lawsonia inermis</i> | Leaf | | | | -- |
| <i>Linum usitatissimum</i> | Seed | | 388.0 | -0.6923667566162774 | -- |
| <i>Lycopersicon esculentum</i> | Fruit | | | | -- |
| <i>Lycopodium clavatum</i> | Plant | | | | -- |
| <i>Lycoris radiata</i> | Bulb | | 73200.0 | 1.0 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| <i>Maclura pomifera</i> | Shoot | | | | -- |
| <i>Mahonia repens</i> | Stem | | | | Suess, T. R. and Stermitz, F. R. 1981. The Constituents of <i>Castilleja rhexifolia</i> , <i>Mahonia repens</i> and <i>Oncidium cebolleta</i> . Dissertation Abstract Int B, 42: 1025-1026. |
| <i>Mahonia repens</i> | Root | | | | Suess, T. R. and Stermitz, F. R. 1981. The Constituents of <i>Castilleja rhexifolia</i> , <i>Mahonia repens</i> and <i>Oncidium cebolleta</i> . Dissertation Abstract Int B, 42: 1025-1026. |
| <i>Malus domestica</i> | Fruit | 24000.0 | 36200.0 | -0.49014841841433165 | -- |
| <i>Mammea americana</i> | Fruit | | 55000.0 | -0.35685164497063454 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| <i>Mangifera indica</i> | Fruit | 66700.0 | 125800.0 | 0.14513833161520354 | -- |
| <i>Manilkara zapota</i> | Fruit | 14800.0 | 87500.0 | -0.12641839300679644 | Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |
| <i>Medicago sativa</i> | Plant | | | | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------|---------|---------|----------|---------------------|--|
| Musa x paradisiaca | Fruit | 500.0 | 18400.0 | -0.6163549379514491 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Nelumbo nucifera | Fruit | 41000.0 | 45556.0 | -0.4238120028643726 | -- |
| Nelumbo nucifera | Rhizome | 4100.0 | 25309.0 | -0.6188226376488517 | -- |
| Nicotiana tabacum | Leaf | | 70000.0 | 1.929045642140917 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| Ophiopogon japonicus | Tuber | | | | -- |
| Opuntia ficus-indica | Fruit | | | | -- |
| Oryza sativa | Seed | 3000.0 | 4800.0 | -0.6296023412117899 | -- |
| Paeonia officinalis | Root | 80000.0 | 140000.0 | 0.1611945921135931 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Paeonia lactiflora | Bud | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Panax ginseng | Root | 1300.0 | 226000.0 | 1.0351788500330728 | -- |
| Panax ginseng | Stem | | 3500.0 | | -- |
| Panax quinquefolius | Root | 39000.0 | 158600.0 | 0.35021909440780613 | -- |
| Panax ginseng | Leaf | | 6400.0 | -0.9162072066569106 | -- |
| Panax quinquefolius | Plant | | 420.0 | | -- |
| Panax ginseng | Rhizome | | | | -- |
| Passiflora incarnata | Shoot | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| Passiflora incarnata | Plant | | | | -- |
| Phaseolus acutifolius | Seed | 18000.0 | 79200.0 | 0.4288003120279811 | Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29. |
| Phoenix dactylifera | Fruit | 0.0 | 400000.0 | 2.089285952799339 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|---------------------------|----------|---------|----------|-----------------------|--|
| Phoenix dactylifera | Seed | | 38200.0 | -0.15445921462296788 | Abstract (See species file) |
| Phragmites australis | Rhizome | | 51000.0 | -0.1648258678549114 | -- |
| Phyllanthus emblica | Fruit | 2600.0 | 12970.0 | -0.6548550166641766 | -- |
| Physalis ixocarpa | Fruit | 3140.0 | 25060.0 | -0.5691338469336288 | -- |
| Phytelephas aequatorialis | Seed | 5600.0 | 45565.0 | -0.049685887457498606 | KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307. |
| Phytelephas aequatorialis | Mesocarp | | 1.0 | | KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307. |
| Pinus sylvestris | Bark | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Pinus sylvestris | Leaf | | 17000.0 | -0.4419983985239393 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Piper methysticum | Root | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| Piper betel | Leaf | 6000.0 | 25000.0 | -0.08410495842358359 | -- |
| Pistacia vera | Seed | | 32600.0 | -0.2341239304582195 | -- |
| Pisum sativum | Seed | 22500.0 | 280000.0 | 3.2853494084062884 | -- |
| Plantago ovata | Plant | | | | -- |
| Plantago ovata | Seed | | | | -- |
| Polypodium vulgare | Rhizome | | 155000.0 | 1.6730031017675162 | -- |
| Portulaca oleracea | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Prunella vulgaris | Na | | 301200.0 | | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-------------------------|------------------|---------|----------|----------------------|--|
| Prunus dulcis | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| Prunus armeniaca | Fruit | 14000.0 | 54000.0 | -0.3639418988772142 | -- |
| Prunus persica | Fruit | 20000.0 | 100000.0 | -0.03779021917455101 | -- |
| Prunus domestica | Fruit | 7000.0 | 48000.0 | -0.406483422316692 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| Psidium guajava | Fruit | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Psidium guajava | Leaf Essent. Oil | | | | -- |
| Punica granatum | Fruit | | | | -- |
| Rehmannia glutinosa | Root | 28000.0 | 81000.0 | -0.4383992592497708 | -- |
| Ribes rubrum | Fruit | | 1500.0 | -0.7361802289726449 | -- |
| Ribes nigrum | Fruit | | 6200.0 | -0.7028560356117206 | -- |
| Ribes uva-crispa | Fruit | | 7100.0 | -0.696474807095799 | -- |
| Rosa spp | Fruit | | | | -- |
| Rosa canina | Fruit | 6000.0 | 32100.0 | -0.5192184594313082 | -- |
| Rubus idaeus | Fruit | | | | -- |
| Ruscus aculeatus | Root | | 36000.0 | -0.8957166035099636 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Saccharum officinarum | Plant | | | | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |
| Sambucus nigra | Fruit | 700.0 | 9530.0 | -0.6792454901028104 | -- |
| Santalum album | Fruit | | | | -- |
| Sarcostemma acidum | Plant | | | | -- |
| Scutellaria baicalensis | Root | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|----------------------|-------|---------|----------|----------------------|---|
| Senna obtusifolia | Seed | | | | -- |
| Sesamum indicum | Seed | | | | -- |
| Sinapis alba | Seed | | | | -- |
| Skimmia arborescens | Leaf | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Solanum melongena | Fruit | | | | -- |
| Spondias dulcis | Fruit | 80500.0 | 200000.0 | 0.6712351714834124 | -- |
| Spondias pinnata | Fruit | | 29000.0 | -0.541198246541705 | -- |
| Stevia rebaudiana | Leaf | | | | Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp. |
| Stevia rebaudiana | Plant | | | | Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp. |
| Symphytum officinale | Root | | | | -- |
| Taraxacum officinale | Plant | | | | -- |
| Taraxacum officinale | Root | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| Terminalia bellirica | Seed | | | | Singh, P., Sharma, S. 1997. Triterpenoid Constituents of the Seeds of Diospyros melanoxylon, Tecomella undulata and Terminalia bellirica. J. Indian Chem. Soc. 74 6: 504-505. |
| Terminalia chebula | Fruit | | 10000.0 | -0.675913070766718 | -- |
| Teucrium montanum | Leaf | | 16000.0 | -0.48673507853648373 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 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. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|---------------------------|-----------|---------|----------|----------------------|--|
| Theobroma cacao | Plant | | | | -- |
| Theobroma cacao | Seed | 18000.0 | 37000.0 | -0.17153022515909322 | -- |
| Tilia sp. | Wood | | | | -- |
| Trigonella foenum-graecum | Seed | 1200.0 | 12700.0 | -0.5172181885156314 | -- |
| Trigonella foenum-graecum | Fruit | 400.0 | 2500.0 | -0.7290899750660653 | Singh, J., Gupta, K., and Arora, S.K. 1993. Changes in the anti-nutritional factors of developing seeds and pod walls of fenugreek (<i>Trigonella foenum graecum</i> L.). <i>Plant Foods for Human Nutrition</i> . 46: 77-84, 1994. |
| Triticum aestivum | Seed | | 8400.0 | -0.5783893096034138 | -- |
| Tulipa gesneriana | Bulb | | | | List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Urtica dioica | Root | | | | Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin. |
| Vaccinium myrtillus | Fruit | | | | -- |
| Vaccinium vitis-idaea | Fruit | | 5300.0 | -0.7092372641276423 | -- |
| Vanilla planifolia | Fruit | | 350000.0 | 1.7347732574703574 | List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Veratrum album | Rhizome | | | | -- |
| Verbascum thapsus | Seed Oil | | | | -- |
| Vetiveria zizanioides | Root | | | | -- |
| Viburnum opulus | Root Bark | | | | -- |
| Viburnum opulus | Fruit | | 16600.0 | -0.6291173949832924 | -- |
| Viburnum prunifolium | Bark | | | | -- |
| Vigna unguiculata | Seed | | 15000.0 | -0.4844987516547245 | ANON. 1948-1976. <i>The Wealth of India raw materials</i> . Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|---------------------|---------|----------|----------|----------------------|--|
| Vigna mungo | Seed | | 16000.0 | -0.4702729095412867 | -- |
| Vigna unguiculata | Seed | | 15000.0 | -0.4844987516547245 | -- |
| Vigna radiata | Seed | | 18000.0 | -0.44182122531441115 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| Withania somnifera | Root | | 1000.0 | -1.2514078712678915 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Zea mays | Fruit | 9000.0 | 19000.0 | -0.6121007856075014 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| Zea mays | Leaf | | | | -- |
| Zingiber officinale | Root | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| Zingiber officinale | Rhizome | | | | -- |
| Zizyphus jujuba | Fruit | 122000.0 | 208000.0 | 0.7279572027360495 | -- |