

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

**List of Plants for ARABINOSE**

<b>Plant</b>	<b>Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference</b>
Abelmoschus esculentus	Fruit	--	180		Wealth of India.
Acacia nilotica	Fruit	--	--		--
Acacia senegal	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Achillea millefolium	Plant	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Akebia quinata	Stem	--	--		--
Alisma plantago-aquatica	Plant	--	--		--
Allium cepa	Bulb	--	--		Sinha, A. 1959. Chemical Examination of Allium cepa. I. Glycosidic and Sugar Fractions. Indian J. Appl. Chem., 22: 89-91.
Allium sativum var. sativum	Bulb	--	--		Wealth of India.
Aloe vera	Plant	--	--		--
Aloe vera	Leaf	--	--		--
Althaea officinalis	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Anacardium occidentale	Resin, Exudate, Sap	--	--		--
Anogeissus latifolia	Plant	--	--		--
Apium graveolens	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Bacopa monnieri	Plant	--	--		Wealth of India.
Borago officinalis	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Boswellia sacra	Latex Exudate	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Boswellia serrata	Resin, Exudate, Sap	--	--		Sabinsa: A series of well documented proprietary PR booklets, e.g.Sabinsa Corps. 1998. Bronchial Asthma - Its etiology and control with traditional herbal extracts. Sabinsa Corporation. Piscataway, NJ. 49 pp.
Calotropis sp.	Leaf	--	--		--
Camellia japonica	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cannabis sativa	Plant	--	--		Turner, C. E., El Sohly, M. A., Boeren, E. G. 1980. Constituents of Cannabis sativa L. XVII. A Review of the Natural Constituents. J Natural Products, 432: 169-234.
Capparis spinosa	Plant	--	--		--
Capsella bursa-pastoris	Plant	--	--		--
Carum carvi	Seed	--	--		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.
Caulophyllum thalictroides	Plant	--	--		Jim Duke's personal files.
Coffea arabica	Seed	--	--		--
Colocasia esculenta	Root	3200	8560		--
Commiphora myrrha	Resin, Exudate, Sap	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Commiphora myrrha	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Conium maculatum	Plant	7000	7000		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Curcuma longa	Rhizome	--	10000		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Dianthus barbatus	Shoot	--	--		--
Euphrasia officinalis	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.
Ferula assa-foetida	Gum	--	--		--
Ficus carica	Fruit	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
Ginkgo biloba	Wood	--	--		Kameoka, H. and Nakai, K. 1987. Components of essential oil from the root of Glycyrrhiza-glabra. Nippon Gogeikagaku Kaishi 61(9): 1119-1122.
Glycine max	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Hedera helix	Leaf	--	--		--
Helianthus annuus	Seed	--	--		--
Hippophae rhamnoides	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Jatropha curcas	Seed	--	--		--
Mahonia japonica	Tissue Culture	--	--		Iriki, Y., Fukuda, Y., Kakizaki, K., Nakazawa, M., Uesugi, Y., Kozu, T. 1984. Phytochemical Study of the Cell Wall of Berberidaceae. Nippon Nogeikagaku Kaishi, 58(4): 367-371.
Malus domestica	Plant	--	--		--
Malva neglecta	Plant	--	--		--
Medicago sativa	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Mirabilis jalapa	Root	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Musa x paradisiaca	Fruit	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
Nicotiana tabacum	Leaf	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ocimum gratissimum	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Olea europaea	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Opuntia ficus-indica	Gum	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Opuntia ficus-indica	Fruit	--	--		--
Oryza sativa	Seed	--	--		--
Panax japonicus	Rhizome	--	--		--
Panax quinquefolius	Plant	--	--		--
Papaver somniferum	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Phoenix dactylifera	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus mugo	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Pinus sylvestris	Leaf	600	600		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Platycodon grandiflorum	Root	--	--		--
Polygala senega	Root	--	--		--
Portulaca oleracea	Plant	--	--		--
Psidium guajava	Fruit	--	--		--
Pteridium aquilinum	Plant	--	--		--
Rosa canina	Seed	--	--		--
Salix alba	Wood	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Senna obtusifolia	Seed	3280	3280		--
Serenoa repens	Fruit	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Sinapis alba	Seed	--	--		--
Solanum tuberosum	Plant	--	--		--
Strychnos nux-vomica	Seed	--	--		--
Syzygium aromaticum	Essential Oil	--	--		--
Tamarindus indica	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Taraxacum officinale	Plant	--	--		--
Terminalia chebula	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Teucrium scorodonia	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Theobroma cacao	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Trifolium pratense	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.
Trigonella foenum-graecum	Seed	--	--		--
Triticum aestivum	Stem	--	--		--
Tussilago farfara	Flower	--	--		--
Tussilago farfara	Leaf	--	--		--
Urtica dioica	Root	--	--		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.
Viola tricolor	Plant	--	--		--
Zea mays	Plant	--	--		--