

# C FLAVONOIDS

## Chemid

### FLAVONOIDS

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Abelmoschus esculentus</i>	Flower	4800	25000	-0.4636926248936486	Wealth of India.
<i>Acacia tortilis</i>	Leaf	22000	63000	1.6341337591617393	--
<i>Anastatica hierochuntica</i>	Plant	2630	2630	-0.9892540265274823	--
<i>Anredera baselloides</i>	Plant	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
<i>Apium graveolens</i>	Leaf	--	420	-0.9474235611430815	--
<i>Aspalathus linearis</i>	Leaf	--	--		--
<i>Calendula officinalis</i>	Flower	3300	8000	-0.8781392402034289	--
<i>Centaurium erythraea</i>	Plant	4000	4000	-0.8382481194140949	--
<i>Cissus verticillata</i>	Leaf	--	--		Tramil
<i>Crataegus laevigata</i>	Shoot	10000	20000	-0.47676335348397514	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
<i>Crataegus monogyna</i>	Shoot	10000	20000	-0.47676335348397514	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Crataegus monogyna</i>	Inflorescence	--	30500		--
<i>Crataegus rhipidophylla</i>	Shoot	10000	20000	-0.47676335348397514	Bisset, N.G., ed. 1994. <i>Herbal Drugs and Phytopharmaceuticals</i> . CRC Press. Boca Raton, FL. 566 pp.
<i>Curcuma longa</i>	Rhizome	90	95		--
<i>Cynara cardunculus</i>	Flower	1000	10000	-0.8293808148728665	Leung, A.Y., <i>Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics</i> , John Wiley & Sons, New York, 1980.
<i>Cyperus rotundus</i>	Root	12500	12500		--
<i>Equisetum arvense</i>	Plant	2700	5100	-0.1769083802313771	--
<i>Eryngium foetidum</i>	Plant	--	--		Tramil
<i>Eucalyptus globulus</i>	Leaf	--	--		Bisset, N.G., ed. 1994. <i>Herbal Drugs and Phytopharmaceuticals</i> . CRC Press. Boca Raton, FL. 566 pp.
<i>Fagopyrum esculentum</i>	Petiole	12130	14635		--
<i>Fagopyrum esculentum</i>	Seed	3715	4075	1	--
<i>Ficus carica</i>	Leaf	5300	5300	-0.7461132427811843	Rizk, A.F.M. and Al-Nowaihi, A.S., <i>The Phytochemistry of the Horticultural Plants of Qatar</i> , Scientific and Applied Research Centre, University of Qatar.
<i>Filipendula ulmaria</i>	Plant	--	5000	-0.7280248295503086	Bisset, N.G., ed. 1994. <i>Herbal Drugs and Phytopharmaceuticals</i> . CRC Press. Boca Raton, FL. 566 pp.
<i>Filipendula ulmaria</i>	Flower	--	60000	0.3895798183911937	Bisset, N.G., ed. 1994. <i>Herbal Drugs and Phytopharmaceuticals</i> . CRC Press. Boca Raton, FL. 566 pp.
<i>Fragaria spp</i>	Plant	--	--		Bisset, N.G., ed. 1994. <i>Herbal Drugs and Phytopharmaceuticals</i> . CRC Press. Boca Raton, FL. 566 pp.
<i>Galega officinalis</i>	Flower	--	--		Bisset, N.G., ed. 1994. <i>Herbal Drugs and Phytopharmaceuticals</i> . CRC Press. Boca Raton, FL. 566 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Galeopsis segetum	Shoot	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Ginkgo biloba	Leaf	--	--		Jim Duke's personal files.
Hypericum perforatum	Flower	117100	117100	1.7816328615787507	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Hypericum perforatum	Shoot	70000	74000	1.9987386742212807	--
Lavandula angustifolia	Flower	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Linum usitatissimum	Tissue Culture	--	--		--
Lycopus europeus	Plant	23000	23000	1.2559943879978455	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ocimum basilicum	Plant	--	--		--
Passiflora edulis	Fruit	10000	10600	-0.4521711230978133	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Passiflora incarnata	Plant	15000	22000	1.476440967725418	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Petroselinum crispum	Tissue Culture	--	--		--
Phellodendron amurense	Fruit	100000	100000	1.7270255564140202	--
Pluchea carolinensis	Plant	--	--		Tramil
Portulaca oleracea	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Prunella vulgaris	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Punica granatum</i>	Fruit	--	--		Newman, R. A., Lansky, E. P., with Block, M. L. 2007. Pomegranate - The Most Medicinal Fruit. Basic Health Publications, Laguna Beach, CA. 120 pp.
<i>Ribes nigrum</i>	Leaf	4600	4600	-0.7749897228740793	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Rosa canina</i>	Fruit	468	2500	-0.6496151175502278	--
<i>Rosa rubiginosa</i>	Seed	3500	3500	-1	--
<i>Rosa spp</i>	Fruit	100	3500	-0.6252393157659791	--
<i>Sauvagesia erecta</i>	Leaf	--	--		Tramil
<i>Senna alexandrina</i>	Plant	--	--		Tramil
<i>Stellaria media</i>	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Tagetes patula</i>	Flower	--	--		--
<i>Teucrium scorodonia</i>	Leaf	17000	17000	-0.26346350408565217	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Urtica dioica</i>	Shoot	7000	18000	-0.568448613769355	Gruenwald, J. et al. 1998. PDR for Herbal Medicine. 1st ed. Medical Economics Co., Montvale, NJ. 1244 pp. (abbreviated as PHR or Physicians Herbal Reference in my mind)
<i>Vitex agnus-castus</i>	Root Bark	--	--		--
<i>Vitis vinifera</i>	Leaf	40000	50000	1.097856271722259	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.