

# List of Plants

## CIS-BETA-OCIMENE

Chemid

CISBETAOCIMENE

\*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
Acinos alpinus	Shoot	--	4.0	-0.53	Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of Acinus alpinus (L.) Moench ssp. meridionalis (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.)
Acinos alpinus	Shoot	--	4.0	-0.53	Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of Acinus alpinus (L.) Moench ssp. meridionalis (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.)
Agathosma betulina	Leaf Essent. Oil	--	--		*
Alpinia galanga	Leaf Essent. Oil	--	20500.0		*
Alpinia galanga	Rhizome Essent. Oil	--	20500.0		*
Angelica sinensis	Root Essent. Oil	--	121800.0		Jim Duke's personal files.
Apium graveolens	Seed Essent. Oil	--	--		*
Artemisia dracunculus	Essential Oil	--	--		*
Artemisia dracunculus	Leaf	--	--		*
Boswellia sacra	Resin Essent. Oil	--	2000.0		Abdel Wahab, S. M., Aboutabl, E. A., El-Zalabani, S. M., Fouad, H. A., De Pooter, H. L., El-Fallaha, B. 1987. The Essential Oil of Olibanum. Plant Med. 53 (4): 382-384.
Camellia sinensis	Leaf	--	--		*
Carum carvi	Seed	--	--		*
Hedychium flavum	Shoot	--	10.0	-0.49	*
Hesperis matronalis	Flower	--	--		Nielsen, J. K., Jakobsen, H. B., Friis, P., Hansen, K., Moller, J., Olsen, C. E. 1995. Asynchronous Rhythmus in the Emission of Volatiles from Hesperis matronalis Flowers. Phytochemistry, 38(4): 847-851.
Hyssopus officinalis	Shoot	--	200.0	0.75	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot	--	200.0	0.75	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot	--	10.0	-0.49	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Shoot	--	110.0	0.16	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.
Hyssopus officinalis	Leaf	0.1	720.0	1.41	*
Hyssopus officinalis	Shoot	--	80.0	-0.03	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (Hyssopus officinalis L.) J. Agric. Food Chem. 42: 776-781.

<i>Hyssopus officinalis</i>	Shoot	--	--		Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop ( <i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
<i>Hyssopus officinalis</i>	Shoot	--	50.0	-0.23	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop ( <i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
<i>Hyssopus officinalis</i>	Flower	0.6	6.0		*
<i>Hyssopus officinalis</i>	Shoot	--	100.0	0.1	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop ( <i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
<i>Hyssopus officinalis</i>	Shoot	--	10.0	-0.49	Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop ( <i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781.
<i>Illicium verum</i>	Fruit	--	100.0		*
<i>Lantana camara</i>	Shoot	--	1.0	-0.55	*
<i>Mentha aquatica</i>	Shoot	--	2.0	-0.54	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
<i>Mentha aquatica</i>	Shoot	--	8.0	-0.5	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
<i>Mentha aquatica</i>	Shoot	--	5.0	-0.52	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
<i>Mentha aquatica</i>	Shoot	--	5.0	-0.52	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
<i>Mentha aquatica</i>	Shoot	--	8.0	-0.5	Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419.
<i>Micromeria varia</i>	Shoot	--	--	-0.56	*
<i>Micromeria varia</i>	Shoot	--	--	-0.56	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. flav. & Fragr. J. 10(3): 199-202.
<i>Micromeria fruticosa</i>	Leaf	--	120.0	-0.71	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . J. Ess. Oil Res., 3: 387-393.
<i>Ocimum suave</i>	Shoot	--	540.0	2.96	J. Nat. Prod. 44: 308.
<i>Origanum vulgare</i>	Shoot Essent. Oil	--	270000.0		*
<i>Pastinaca sativa</i>	Root	--	--		*
<i>Perilla frutescens</i>	Shoot Essent. Oil	--	--		Nguyen, X. D., La, D. M., Lu'u, D. C., Leclercq, P. A. 1995. Essential Oil Constituents from the Aerial Parts of <i>Perilla frutescens</i> (L.) Britton. J. Essent. Oil Res., 7(4): 429-432.
<i>Petroselinum crispum</i>	Plant	--	--		*
<i>Petroselinum crispum</i>	Leaf	--	--		*
<i>Pimenta dioica</i>	Leaf Essent. Oil	--	--		*
<i>Pinus sylvestris</i>	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Psidium guajava</i>	Pericarp Essent. Oil	--	--		*
<i>Ravensara aromatica</i>	Leaf	--	120.0	-0.71	*
<i>Ribes nigrum</i>	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Rosmarinus officinalis</i>	Shoot	--	6.0	-0.52	Tucker, A. O. and Maciarello, M. J. 1998. The essential oils of some rosemary cultivars. Flavor and Fragrance Journal, 1: 137-142. 1986.

Salvia officinalis	Leaf Essent. Oil	--	--		*
Salvia sclarea	Plant	2.4	24.0	1.0	Flavour and Fragrance Journal, 6: 154.
Satureja cuneifolia	Shoot	--	525.0	2.86	Tumen, G. 1991. The Volatile Constituents of Satureja cuneifolia. J. Ess. Oil Res., 3: 365-366.
Tagetes filifolia	Leaf Essent. Oil	--	--		Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
Thymus x citriodorus	Plant	--	20.0	-1.0	Stahl-Biskup, E. and Holthuijzen, J. 1995. Essential oil and glycosidally bound volatiles of lemon-scented thyme, Thymus x citriodorus (Pers.) Schreb. Flav. & Fragr. J. 10: 225-229.
Trifolium pratense	Fruit	--	--		*
Trifolium pratense	Flower	--	--		*
Trifolium pratense	Leaf	--	--		*