

List of Plants

BETA-FARNESENE

Chemid

BETAFARNESENE

*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 |
|----------------------------|---------------------|---------|----------|--------|--|
| Achillea millefolium | Leaf | -- | -- | | * |
| Agastache rugosa | Tissue Culture | -- | -- | | Jim Duke's personal files. |
| Ageratum conyzoides | Plant | 5.0 | 37.5 | -0.27 | * |
| Ageratum conyzoides | Shoot | -- | 580.0 | 2.82 | R. Vera, (1993); Chemical composition of the essential oil Ageratum conyzoides L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260. |
| Alpinia galanga | Rhizome Essent. Oil | -- | 9400.0 | | * |
| Alpinia galanga | Leaf Essent. Oil | -- | 9400.0 | 1.0 | * |
| Angelica archangelica | Root | 5.0 | 15.0 | -0.58 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Angelica archangelica | Root Essent. Oil | -- | -- | | * |
| Artemisia annua | Leaf | 25.0 | 1520.0 | 1.26 | * |
| Artemisia annua | Plant | -- | -- | | * |
| Centella asiatica | Plant | -- | -- | | Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp. |
| Chrysanthemum parthenium | Shoot | -- | 38.0 | -0.25 | Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of Tanacetum parthenium (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71. |
| Chrysanthemum x morifolium | Plant | 20.0 | 75.0 | 1.34 | Wealth of India. |
| Copaifera spp | Gum | -- | -- | | * |
| Cuminum cyminum | Fruit | 220.0 | 440.0 | 1.0 | * |
| Cuminum cyminum | Seed | 220.0 | 440.0 | 1.0 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Daucus carota | Root | -- | 12.0 | -0.82 | * |
| Echinacea spp | Fruit | -- | -- | | Economic & Medicinal Plant Research, 5: 253. |
| Eryngium foetidum | Seed Essent. Oil | -- | 100000.0 | | Tucker, A. O. and Debaggio, T. 2000. The Big Book of Herbs. Interweave Press, Inc. Loveland, CO. 688 pp. |
| Humulus lupulus | Fruit | -- | 35.0 | -1.0 | Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp. |
| Mentha rotundifolia | Leaf | -- | 800.0 | -0.06 | * |
| Mentha aquatica | Shoot | -- | 11.0 | -0.4 | Umamoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419. |
| Mentha aquatica | Shoot | -- | 6.0 | -0.43 | Umamoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419. |
| Mentha aquatica | Shoot | -- | 17.0 | -0.37 | Umamoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419. |

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|----------------------------|--------------------|-----|----------|-------|---|
| Mentha aquatica | Shoot | -- | 6.0 | -0.43 | Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Noeikagaku Kaishi 67(10): 1417-1419. |
| Mentha aquatica | Shoot | -- | 16.0 | -0.37 | Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of Mentha aquatica Containing Sesquiterpene Alcohols as Major Components. Nippon Noeikagaku Kaishi 67(10): 1417-1419. |
| Origanum majorana | Plant | -- | -- | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Origanum vulgare | Plant | -- | -- | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Origanum majorana | Essential Oil | -- | -- | | * |
| Panax ginseng | Stem | -- | 1000.0 | | * |
| Panax ginseng | Leaf | -- | 1000.0 | 0.31 | * |
| Panax quinquefolius | Plant | -- | -- | | * |
| Panax ginseng | Root | -- | -- | | * |
| Panax ginseng | Plant | -- | -- | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| Panax ginseng | Root Essent. Oil | -- | 85000.0 | -1.0 | * |
| Panax quinquefolius | Root Essent. Oil | -- | 260500.0 | 1.0 | * |
| Panax ginseng | Flower Essent. Oil | -- | 43000.0 | | * |
| Petroselinum crispum | Seed | -- | 25.0 | -1.0 | * |
| Petroselinum crispum | Leaf | -- | 3.9 | -1.52 | * |
| Pimpinella anisum | Plant | -- | -- | | * |
| Pimpinella anisum | Seed | -- | -- | | Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp. |
| Pinus sylvestris | Leaf Essent. Oil | -- | 600.0 | -1.0 | * |
| Piper nigrum | Fruit | -- | -- | | * |
| Piper nigrum | Fruit Essent. Oil | -- | -- | | * |
| Psidium guajava | Fruit | -- | -- | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| Santalum album | Wood | -- | -- | | * |
| Sideritis scardica | Shoot | -- | 49.0 | -0.18 | Menkovic, N., et al. 1991. The Essential Oil of Sideritis scardica. Pl. Med. 57. Suppl. 2. pp. A137-A132. |
| Sideritis germanicolpitana | Plant | 8.0 | 19.0 | -1.07 | J. Essential Oil, 4: 533. |
| Tanacetum parthenium | Shoot | -- | 12.0 | -0.39 | * |
| Tanacetum parthenium | Essential Oil | -- | 8000.0 | | * |
| Tanacetum parthenium | Root | -- | 40.0 | 1.41 | * |
| Zingiber officinale | Root Essent. Oil | -- | -- | | * |