

## Handbook of Analytical Methods for Dietary Supplements

In June, 2005, the American Pharmacists Association (APhA), the national professional society of pharmacists, released the reference book titled, Handbook of Analytical Methods for Dietary Supplements. The reference is a unique compilation that provides current methods plus appropriate validation data, when known, for 38 common supplements in the marketplace.

Analytical method development is a critical component of dietary supplement manufacturing and is a must for product identity according to the FDA and the recently published good manufacturing practices (GMPs) for dietary supplements. The Handbook of Analytical Methods for Dietary Supplements provides a convenient starting point for laboratories to develop and validate analytical testing methods for dietary supplements.

The reference contains monographs on the following 38 dietary ingredients: Artichoke, Ascorbic Acid, Bilberry, Black Cohosh, Boswellia, Chamomile, Chaste Tree, Chondroitin Sulfate, Coenzyme Q10, Devil's Claw, Echinacea, Ephedra, Epimedium, Feverfew, Ginger, Ginkgo, Ginseng, Glucosamine, Goldenseal, Gotu Kola, Griffonia, Guggul, Hops, Kava, Melatonin, Milk Thistle, Olive Leaf, Passionflower, Red Clover, Rhodiola, Schisandra, Senna, Siberian Ginseng (Eleuthero), Skullcap, Soy, Turmeric, Valerian, Willow Bark.

Each monograph follows a standard format for quick reference: chemical names, formulas, and structures, along with information on solubility and other physical and chemical data; a description of common uses for each dietary supplement and its mode of action; discussion of reference standards and/or marker compounds used; information and directions for using various component-specific methods; and chromatography specifications and representative chromatograms, when available.

The work is written by Frank Jaksch, President and CEO, ChromaDex™, Inc., Irvine, Calif., a supplier of phytochemical reference standards and a leader in the creation of botanical reference materials; Mingfu Wang, PhD, Assistant Research Professor, New Use Agriculture and Natural Plant Products Program, Rutgers University, Piscataway, NJ; and Mark Roman, PhD.

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