

METHOD COMMITTEE REPORTS

Committee on Food Nutrition

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Committee Actions

The Food Nutrition Committee has seen a significant reduction in method submissions this year due to structural changes in AOAC. Currently, Method E28, "Liquid Chroma-

tography Analysis of Vitamin B6 in Infant Formula," is the only method going through the review process.

Committee E currently has 9 members and 6 General Referees. There are currently 2 vacancies on the committee. David Firestone has reassumed the role of GR in Fats and Oils replacing Martin Yurawecz.

The strong links with European CEN TC275/WG9 still exist through Erik Konings (GR) and David Woollard (Committee E chair). The CEN committee is progressing on a number of new vitamin initiatives which could have relevance to AOAC. The CEN committee met in Uppsala, Sweden, in February 2003 at which time further focus was placed on vitamins in dietary supplements. Recent European regulations list vitamin supplements as foods and are the responsibility of TC275/WG9. Future European legislation on dietary supplements will place safety rules on upper levels of vitamins. This issue, in addition to U.S. dietary supplement regulations, are very relevant to Committee E in light of previous experience performing vitamin-related collaborative studies. Additional possibilities exist also for other collaborative studies with commercial entities in Europe.

General Referee Recommendations

Dietary Fiber, Leon Prosky

(1) **2000.11** *Polydextrose in Foods—Ion Chromatography Method.*—Associate Referee, Stuart Craig, Danisco Cultor, 440 Saw Mill River Rd, Ardsley, NY 10502, Tel: +1-914-674-6574, Fax: +1-914-674-6575, E-mail: stuart.craig@danisco.com. Approve this method Final Action.

(2) **2001.02** *Trans-galactooligosaccharides in Food and Food Products, Ion-Exchange Chromatographic Method.*—Associate Referee, Jaap de Slegte, Borculo Domo Ingredients, Needseweg 23, 7271 AB Borculo, The Netherlands, Tel: +31-545-256789, Fax: +31-545-256625, E-mail: j.deslegte@bdi.nl. Approve this method Final Action.

(3) **2001.03** *Combination of AOAC Method for Total Dietary Fiber with Enzymatic-HPLC Determination of Indigestible Maltodextrin in Foods.*—Associate Referees, Kazuhiro Ohkuma, Masutani Chemical Industry Co. Ltd., 5-3 Kita-Itami, Itami City, Hyogo, Japan 664-8508, Tel: +81-727-71-2010, Fax: +81-727-72-0766, E-mail: XLM10052@nifty.ne.jp, and Dennis T. Gordon, North Dakota State University, PO Box 5728, Harris Hall, Fargo, ND, Tel: +1-701-231-7712, Fax: +1-701-231-7723, E-mail: dgordon@plains.nodak.edu. Approve this method Final Action.

(4) **2002.02** *Measurement of Resistant Starch in Starch Samples and Plant Materials.*—Study Director, Barry V. McCleary, Megazyme International Ireland Ltd., Bray Business Park, Bray, Co. Wicklow, Ireland, Tel: +353-1-286-1220, Fax: 353-1-286-1264, E-mail: info@megazyme.com. Con-

tinue study and method will be presented for Final Action next year.

Fats and Oils, David Firestone

No report received.

Fat-Soluble Vitamins, Christopher Blake

(1) *Vitamins A and E in Foods by HPLC, 2001.13-E18*.—Collaborative study for vitamin E to be re-run using an international collaborative study protocol. Study Directors Jonathan W. DeVries/Karlene Silvera. No progress.

(2) *Carotene in Foods*.—Study Director, Lynn Hagemann. The collaborative study results were not accepted by review committee. The method will not be proposed as a First Action. However the study report is being redrafted for publication in *J. AOAC Int.* As this is an important topic a new study with an improved protocol should be set up as soon as possible with a new Study Director (D. Woollard).

(3) *Determination of Vitamin K₁ in Foods Using C30 Reversed-Phase HPLC Separation of cis- and trans-Phylloquinone*.—Study Director, Vacant. No progress.

(4) *Determination of Vitamins K₃ in Human and Pet Foods Using Reversed-Phase HPLC*.—Study Director, Vacant. No progress.

Infant Formula and Medical Diets, Edwin Phifer

(1) *997.05 Taurine in Powdered Milk and Powdered Infant Formulae*.—Now progressed to Final Action.

(2) *999.14 Choline in Infant Formula and Milk, Enzymatic Colorimetric Method*.—Now progressed to Final Action.

(3) *999.15 Vitamin K in Milk and Infant Formulas/Liquid Chromatographic Method*.—Now progressed to Final Action.

(4) *Total Folate, Tri-Enzyme Methods*.—Topic is discontinued and transferred to Committee F.

(5) *Vitamin B₆*.—Study Director, Dudley Mann, FDA, Atlanta, GA. Final report is with Methods Committee for First Action evaluation.

Minerals, Vacant

No topics are in progress.

Non-Vitamin Micronutrients, Harvey Indyk

(1) *Determination of Isoflavones in Soy and Foods Containing Soy by Extraction, Saponification and LC*.—Study Directors, Stephen P. Klump and John L. Macdonald. First Action approved by the OMB.

(2) *Nucleotides in Infant Formulas and Milk*.—Study Director, Bruce Molitor. Study Director now appointed. Prepare the method protocol for AOAC approval at the earliest opportunity.

(3) *Nucleotides in Infant Formulas*.—Study Director, Christine Rose Sallin, Nestle, Lausanne, Switzerland, to be appointed.

(4) *Antioxidant Activity in Foods*.—Study Director, to be appointed.

(5) *Determination of IgG Levels in Milk and Colostrum*.—Study Directors, Donald Otter and Colin Hughes, to be appointed. Prepare the method protocol for AOAC approval at the earliest opportunity.

Sugars and Sugar Products, Mary An Godshall

(1) *977.21 Moisture in Corn Syrup*.—Sections of this method need revision. Under section *B. Determination*, a pan balance for weighing is used which is out of date.

(2) *943.05*.—The description on the Baumé and DS tables for measurement by refractometer do not reflect if these are IX or Non-IX syrups.

(3) *969.39*.—Glucose oxidase method: I believe this is an obsolete method; I believe it has been dropped from the CRA method manual.

(4) *979.23*.—Saccharides in Corn Syrup (major) and AOAC Official Method *983.22* Saccharides (Minor) in Dextrose Products are on our list of methods to be updated.

Water-Soluble Vitamins, Erik Konings

(1) *Vitamin C in Foods, LC Method*.—Study Director, Allan Brause. The first collaborative study is published in *J. AOAC Int.*, but not as First Action. Repeat the collaborative study in fruit juices. Prepare the method protocol for AOAC approval at the earliest opportunity.

(2) *Determination of Niacin in Foods by Capillary Electrophoresis and Liquid Chromatography: Acid and Alkaline Extraction*.—Study Director, Norbert Strobel. Topic now discontinued.

(3) *Determination of Calcium Pantothenate in Vitamin Premixes and Tablets Using LC*.—Study Director, Gerald Woollard. A new method is required in *Official Methods of Analysis*. Retain topic until sponsorship is obtained.

(4) *Determination of Folic Acid and 5-Methyltetrahydrofolic Acid in Foods by HPLC*.—Appoint Erik J.M. Konings as Study Director. Prepare the method protocol for AOAC approval at the earliest opportunity.