

METHODS COMMITTEE REPORTS

Committee on Food Nutrition

KATHERINE E. SHARPLESS, CHAIR

National Institute of Standards and Technology, 100
Bureau Dr, Stop 8390, Gaithersburg, MD 20899-8390

JOHN SZPYLKA, SECRETARY

General Mills/Medallion Laboratories, 9000 Plymouth Ave
N., Minneapolis, MN 55427

DIRK D. SHOEMAKER

Nebraska Department of Agriculture, 3703 S. 14th St,
Lincoln, NE 68502

G. SARWAR GILANI

Health Canada Government of Canada, Nutrition Research
Division, Banting Bldg 2203C, Health Products and Food,
Tunney's Pasture, Ottawa, ON K1A-0L2, Canada

WAYNE R. WOLF

U.S. Department of Agriculture, Agricultural Research
Service, Beltsville Human Nutrition Research Center, Food
Composition Laboratory **CORRECT AS SPELLED
OUT?**, B-161 R-102, BARC-East, Beltsville, MD 20705

JEANNE RADER

U.S. Food and Drug Administration (FDA), Center for
Food Safety and Applied Nutrition, 5100 Paint Branch
Pkwy, College Park, MD 20740

SHANG-JING PAN

Abbott Nutrition International, Micronutrient Department,
Core Services, Research and Development Operations,
3300 Seltzer Rd, Columbus, OH

MARINA TORRES

Organization Technological Laboratory Uruguay (LATU),
Avenida Italia 6201, Montevideo, Uruguay 11500

DAVID C. WOOLLARD, PAST CHAIR

New Zealand Laboratory Services Ltd, Analytical and
Pharmaceutical Services, Penrose, Auckland, New Zealand

JOHN G. PHILLIPS, STATISTICAL ADVISOR

U.S. Department of Agriculture, Agricultural Research
Service, Eastern Regional Research Center, 600 E.
Mermaid Ln, Wyndmoor, PA 19038-8551

SARA M. WILLIAMS, SAFETY ADVISOR

Office of the Texas State Chemist, PO Box 3160, College
Station, TX 77841-3160

Committee Actions

One First Action Method was accepted this year. No methods were submitted to the Official Methods Board (OMB) for Final Action. Six methods are currently at various stages of study and review as described below. One method is in need of a technical modification. One Official Method was repealed at the February 2007 OMB meeting.

Dietary Fiber, Barry V. McCleary, GR

The method "Methylcellulose and Hydroxypropyl Methylcellulose Food Gums in Food and Food Products" has been granted First Action status (**2006.08**). The study was funded by Dow. Study Director Robert Harfmann, The Dow Chemical Co., Analytical Sciences, Building 1897, Midland, MI 48667, E-mail: RGHarfmann@dow.com. Continue study.

Barry McCleary has distributed a method for dietary fiber that he would like to process through the committee as an unfunded method. The committee is considering next steps.

Fat and Fatty Acids, Edwin C. Phifer, GR

There has been no activity since the last report.

Elements, Lars Jorhem, GR

There has been no activity since the last report.

Protein and Amino Acids, Vacant

Sugars, Mary An Godshall, GR

There has been no activity since the last report.

Fat-Soluble Vitamins, Christopher J. Blake, GR

Vitamin D: Method **981.17** Vitamin D in Milk and Milk Powder (Final Action 1982) was repealed at the February 8–10, 2007, OMB meeting.

Water-Soluble Vitamins, Erik J.M. Konings, GR

The collaborative study report for OMA-2007-Jun-023 "Determination of Vitamins B12, Biotin, Folic Acid, and Pantothenic Acid by Surface Plasmon Resonance in fortified Bovine Milk-Based Infant Formula, Fortified Soya-Based Infant Formula, Fortified Baby Food, Fortified Cereals, Vitamin Premix, and Fortified Dietary Supplements" was accepted by the GR and committee chair. Study Director Pathik Vyas, 131 Boundary Rd, POB 41, Blockhouse Bay, Auckland, New Zealand, Tel: 649-626-8216, Fax 649-626-8282, E-mail: vyasp@agriquality.co.nz. The study is underway.

Continue extension of AOAC Official Method for the liquid chromatographic analysis of vitamin B6 in infant formula to the determination of vitamin B6 in baby food,

biscuit, cereals, yeast, tube-feeding solution, chocolate powder, and powdered milk. This work is underway.

A proposed amendment of AOAC Method **2004.05**, “*Total Folates in Cereals and Cereal Foods, Microbiological Assay—Trienzyme Procedure*,” was submitted and accepted by the GR. An inadvertent omission was observed in the submission of the final paper: the use of an enzyme-reagent blank to correct for the presence of folates in enzyme solutions needs to be re-inserted into the procedure.

Nonvitamin Micronutrients, Harvey E. Indyk, GR

“Determination of IgG in Colostrum Products—Affinity LC Method,” OMA-2006-Apr-043, Study Director Donald Otter, Fonterra Research Centre, Palmerston North, New Zealand, E-mail: don.otter@fonterra.com. Study Director has identified collaborators. Joanna Lynch is acting as GR on this method due to Harvey Indyk’s association with Fonterra, New

Zealand who is funding the study. Indyk is rewriting the protocol. Continue study.

“Determination of IgG in Colostrum Products, Biosensor Method,” OMA-2006-Apr-044, Study Director Leyton Gapper, Fonterra Research Centre, Palmerston North, New Zealand, E-mail: leyton.gapper@fonterra.com. Gapper has identified collaborators and the submitted protocol is currently under review by Joanna Lynch, acting as GR (*see above study*). This is a new method study and is funded by Fonterra, New Zealand. Continue study.

A request was submitted to Committee E for a collaborative study of the “Determination of Antioxidant Activity in Foods by Reaction with the Stable Radical DPPH.” The SR is John Szpylka and the method protocol is being updated using the AOAC template and the collaborating laboratories are being assembled. The study is funded by POM Wonderful, Los Angeles, CA. Continue study.