



STAKEHOLDER PANEL ON INFANT FORMULA AND ADULT NUTRITIONALS (SPIFAN)

MEETING HELD AT

Palmer House Hilton
Chicago, IL

REPORT OF THE EXPERT REVIEW PANEL (ERP) PROCEEDINGS

(WHEY PROTEIN)

Monday, August 26, 2013

Expert Review Panel Member Attendees:

Sarwar Gilani, Co- Chair, *Health Canada (Retired)*
Lei Bao, *AQSIQ*
Sneh Bhandari, *Silliker Laboratories*
Jonathan DeVries, *Medallion Labs/Gen. Mills*
Steve Holroyd, *(Rep. International Dairy Federation-IDF)*
Shay Phillips, *Mead-Johnson Nutritional*
Shane Rutherford, *Massey University-Riddit Institute*
Marina Torres, *LATU*

AOAC Staff including:

Delia Boyd
E. James Bradford
Scott Coates
Anita Mishra

Expert Review Panel Members Not in Attendance:

Nana Farkye, Co- Chair, *California Polytechnic State University*
Chao Wu, *Hilmar Ingredients*

I. INTRODUCTION TO SPIFAN ERP SESSION

Sarwar Gilani (Health Canada-Retired) introduced and welcomed the participants to the Whey Protein Expert Review Panel (ERP) meeting. The ERP members in attendance and participants were introduced.

II. SPIFAN WPC ERP SESSION – DISCUSSIONS

COMBINING METHODS CONSIDERATION: Discussion on AOAC First Action *Official Methods*SM 2012.07 and 2012.08

The ERP discussed the requirements for advancing 2012.07 and/or 2012.08, or a combination of the two methods to AOAC Final Action *Official Methods*SM status. Discussions ensued between method developers on the consideration of combining both methods into one (1) with the consensus being that the methods will remain separate.

DISCUSSION REQUIREMENTS FOR METHOD(S) TO MOVE FROM FIRST TO FINAL ACTION

Discussions took place on the requirements to move the WPC method(s) to Final Action. The ERP did not have sufficient data on the use of the method(s) in global labs to draw a conclusion. In addition, the methods were not appropriate to cover all infant formula in the global market place.

POSSIBLE MATRICES AND MILK SOURCES

The SPIFAN WPC ERP members discussed the possible matrices and milk sources; including the development of a range of samples (includes reference materials) that would cover the majority of the nutrients.

III. PRESENTATIONS

Shane Rutherford (Massey University) presented on the findings of the Riddet model which was analyzed along with the AOAC First Action *Official Methods*SM **2012.07** and **2012.08** titled predicting whey protein content in Infant formula: Main Differences in the Models...***see Shane Rutherford presentation in meeting book.***

Nestlé Position Paper – Nestlé analyzed the two methods; using non-hydrolyzed infant formula including whey dominant starter formula. The objective of this evaluation was to assess the applicability and validity of the two methods to their product(s). Their results showed in certain cases significant deviations from the theoretical values. This bias in analytical results is an important issue, especially in the context of Chinese regulations requiring for starter infant formula a minimum of 60% whey proteins of the total protein content...***see Nestlé position paper in meeting book.***

◇ ***Petra Lutter (Nestlé)*** presented on the findings of the Nestlé evaluation of two AOAC first action methods (2012.07 and 2012.08) for determination of whey protein content...***see Petra Lutter presentation in meeting book.***

IV. COMMENTS

After careful review of the September 2012 comments, the determination was that no additional work had been completed and the methods posed the same challenges. The following comments were captured by the ERP for AOAC First Action *Official Methods*SM **2012.07** and **2012.08**:

1. Request that Working group Chairs coordinate with Study Directors and include raw materials vendors
2. Representative database needed – raw materials/samples
3. AOAC reach out to Chinese authority to determine what would meet the need(s)
 - a. Product specific models
 - b. Raw materials

4. Include a detailed report including minutes & presentations on methods
 - a. Sarwar Gilani
 - b. Nana Farkye
 - c. Shane Rutherford
 - d. Lei Bao

5. IFC to contact manufacturers to share information on suppliers

V. WRAP-UP/NEXT STEPS

The ERP determined that the minutes of the meeting will be combined into a report and sent to Dr. Wang Zhutian; deadline for completion by **October 24-25, 2013**. The information should also be included in the AOAC China Section meeting. The ERP has a deadline of **September 15, 2013** to convey to ERP Chair and Anita Mishra (AOAC) on assessment.