



AOAC INTERNATIONAL

Stakeholder Panel for Infant Formula and Adult Nutritionals (SPIFAN)

AOAC Headquarters/Virtual Meeting

2275 Research Blvd. Suite 300

Rockville, MD 20850, USA

Wednesday, January 23, 2019 – 2:00pm (Eastern US)

REPORT OF THE NUTRIENTS EXPERT REVIEW PANEL (ERP) PROCEEDINGS

Expert Review Panel Members (in attendance):

Darryl Sullivan

John Austad
Sneh Bhandari
Esther Campos-Giménez
Scott Christiansen
Hans Cuijssen/Martine van Gool
Brendon Gill/Harvey Indyk
Don Gilliland/Karen Schimpf
Günther Raffler
Jinchuan Yang

Covance/Eurofins Food Integrity and Innovation (Chair)

Covance/Eurofins Food Integrity and Innovation
Mérieux NutriSciences
Nestlé
Perrigo Nutritionals
FrieslandCampina
Fonterra Cooperative
Abbott Nutrition
Eurofins/CLF
Waters Corp.

Expert Review Panel Members (unable to attend):

Sean Austin/ Adrienne McMahon
Jon DeVries
Estela Kneeteman
Maria Ofitserova
Melissa Phillips/Kate Rimmer
Shay Phillips/Jie Zhang
David Woollard

Nestlé Research Centre/Wyeth
DeVries & Associates
INTI
Pickering Labs, Inc.
NIST
Mead Johnson Nutrition
Eurofins (formerly Hill Labs)

AOAC Staff:

Delia Boyd
Deborah McKenzie
Alicia Meiklejohn

Observers:

Jonathan Draher, *Abbott Nutrition*
Greg Jaudzems, *Nestlé*
Jeffrey Shippar, *Covance/Eurofins Food Integrity and Innovation*
Elizabeth Teigland, *Agropur*

I. WELCOME AND INTRODUCTIONS

Darryl Sullivan welcomed all participants to the ERP meeting and introduction of the ERP members.

II. REVIEW OF METHODS BY EXPERT REVIEW PANEL (ERP) FOR FINAL ACTION *OFFICIAL METHOD*SM STATUS

The Expert Review Panel (ERP) reviewed one (1) method for Final Action *Official Methods*SM consideration.

Method	Method Title	Reviewer(s)	Vote	Comments
Choline/ Carnitine	OMA# 2015.10 (Chol-08/Carn-07) – Determination of Free and Total Choline and Carnitine in Infant Formula and Adult/Pediatric Nutritional Formula by Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS): Multiple Laboratory Testing (MLT) Report	Sneh Bhandari Scott Christiansen	<p>Motion: to recommend 2015.10 for Final Action</p> <p>Sneh Bhandari (moved) Scott Christiansen (second) Unanimous / Abstain-2</p> <hr/> <p>Amended motion to approve for free & total choline</p> <p>Sneh Bhandari (moved) Brendon Gill (second) Unanimous / Abstain-2</p> <p>Method recommended for Final Action <i>Official Method</i>SM status</p> <hr/> <p style="text-align: center;">Recommendations vote:</p> <p>Brendon Gill (moved) Sneh Bhandari (second) Unanimous</p>	<ul style="list-style-type: none"> ○ Method is already approved for carnitine ○ Method is not clearly defined; no system suitability information is included in the online version ○ SMPR includes free & bound forms ○ More total carnitine can be recovered relative to free carnitine depending on whether you do/not include an alkaline digestion step <ul style="list-style-type: none"> • Concern around total carnitine using this methodology <p style="text-align: center;">Recommendations</p> <ul style="list-style-type: none"> ○ Modify the Title (OMA & Journal): <ul style="list-style-type: none"> • Free and total choline and free and total carnitine ○ Modify the Applicability: <ul style="list-style-type: none"> • the sum of free and bound ○ Add system suitability requirements to final OMA method

IV. NEXT STEPS/FEEDBACK FROM EXPERT REVIEW PANEL

Darryl Sullivan provided next steps including recommendations to the method author.

❖ **To view the ERP Reviewer forms please [click here](#) or <https://cld.bz/qUZDmTu>**