



AOAC INTERNATIONAL

Stakeholder Panel for Infant Formula and Adult Nutritionals (SPIFAN)

AOAC Headquarters/Virtual Meeting

2275 Research Blvd. Suite 300

Rockville, MD 20850, USA

Thursday, July 19, 2018 - 11:00am (Eastern US)

REPORT OF THE MCPD EXPERT REVIEW PANEL (ERP) PROCEEDINGS

Expert Review Panel Members (in attendance):

Katerina Mastovska

Mathieu Dubois/Greg Jaudzems

Stefan Ehling

Jan Kuhlmann

Shaun MacMahon/Jessica Leigh

Salvatore Parisi

Joe Romano

Cheryl Stephenson

Sudhakar Yadlapalli

Celine Lesueur

Jie Zhang

Covance Labs (Chair)

Nestlé

Abbott Nutrition

SGS Germany

US FDA

COIF Association, Italy

Waters Corp.

Eurofins

First Source Laboratory Solutions, LLP

Danone

Mead Johnson

AOAC Staff Includes:

Delia Boyd

Scott Coates (CSO)

Deborah McKenzie

Alicia Meiklejohn

Observers:

Robert Rankin, INCA

I. WELCOME AND INTRODUCTIONS

Katerina Mastovska welcomed all participants to the ERP meeting and introduced the ERP members.

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

The ERP reviewed and discussed two (2) methods that were submitted for re-evaluation. The methods were previously reviewed by the ERP on March 14, 2018 and given provisional approval.

The methods included the recommendations and comments originally provided by the ERP and after review, both methods received First Action *Official Method*SM status recommendation.

Method	Method Title	Reviewer(s)	Vote	Comments/Recommendations
MCPD	<i>MCPD-01 – Fatty acid esters of 2-chloropropane-1,3-diol (2-MCPD), 3-chloropropane-1,2-diol (3-MCPD) and glycidol, free 2-MCPD and free 3-MCPD in Infant formula and Adult/Pediatric Nutritional formula.</i>	Stefan Ehling Shaun MacMahon	Motion: to move method to First Action Shaun MacMahon (moved) Cheryl Stephenson (second) Yes 10/No 0/Abstain 1 Motion Passed	RECOMMENDATIONS FOR FINAL ACTION: 1. Consider use of GC-MS (single quad) 2. Include at least 1 matrix to be cleaned by the SPE procedure in the collaborative study 3. Use the SPIFAN kit in the collaborative study 4. Consider using a reference material for oil (for lab qualification) 5. Method feedback Motion: to accept these recommendations/ requirements for Final Action recommendation Joe Romano (moved) Shaun MacMahon (second) Yes 10/No 0/Abstain 1 Motion Passed
	<i>MCPD-02 – 2-Monochloropropanediol (2-MCPD), 3-Monochloropropanediol (3-MCPD) and Glycidol in Infant and Adult/Pediatric Nutritional Formula. Gas Chromatographic / Mass spectrometric (GC/MS) Method</i>	Jessica Beekman Cheryl Stephenson	Motion: to move method to First Action Cheryl Stephenson (moved) Shaun MacMahon (second) Yes 10/No 0/Abstain 1 Motion Passed	RECOMMENDATIONS FOR FINAL ACTION: 1. Consider use of GC-MS/MS 2. Use external multi-point calibration in the collaborative study & calculate the results using both single-point internal calibration and multi-point external calibration 3. Use the SPIFAN kit in the collaborative study 4. Consider using a reference material for oil (for lab qualification) 5. Method feedback Motion: to accept these recommendations/ requirements for Final Action recommendation Cheryl Stephenson (moved) Sudhakar Yadlapalli (second) Yes 10/No 0/Abstain 1 Motion Passed

III. NEXT STEPS/FEEDBACK FROM EXPERT REVIEW PANEL

Katerina Mastovska provided next steps in the ERP process including the First to Final Action recommendations by the ERP.