

# CODEX ALIMENTARIUS COMMISSION



Food and Agriculture  
Organization of the  
United Nations



World Health  
Organization

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Agenda Item 4, 6, 7

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ORIGINAL LANGUAGE ONLY

## JOINT FAO/WHO FOOD STANDARDS PROGRAMME CODEX COMMITTEE ON METHODS OF ANALYSIS SAMPLING

Thirty-seventh<sup>th</sup> Session  
Budapest, Hungary, 22 – 26 February 2016

(Comments by Ghana)

### **AGENDA ITEM 4 - DEVELOPMENT OF PROCEDURES/GUIDELINES FOR DETERMINING EQUIVALENCY TO TYPE I METHOD (CX/MAS 16/37/4)**

Ghana commends the United State of America for preparing the procedures/guidelines for determining equivalency to Type I method. Ghana wishes to lend her support to such a document since it provides the necessary scientific principles for evaluating the equivalency between two methods. Concerning the statistical approaches used for evaluating equivalency, we support the use of two one-side t-test (TOST) over the two-sample t-test as the TOST produces a relatively statistically reliable results than the two-sample t-test.

On the issue of the determination of acceptance criteria ( $\theta$ ) for each method comparison, we recommend the inclusion of a table containing frequent values for  $\theta$  for guidance purposes.

### **AGENDA ITEM 6 - DISCUSSION PAPER ON CRITERIA FOR ENDORSEMENT OF BIOLOGICAL METHODS USED TO DETECT CHEMICALS OF CONCERN (CX/MAS 16/37/6)**

We wish to congratulate the Chair (Chile) and Co-Chair (France) of the eWG for preparing the discussion paper on criteria for endorsement of biological methods used to detect chemicals.

The basis for endorsement of biological methods used to detect chemicals should reflect advancement in analytical techniques. Although useful, several biological methods are gradually being replaced by more robust analytical methods with comparatively well-defined and reliable performance criteria. For example vitamins are routinely being quantified using modern chromatographic techniques such as LC-MS although biological methods exist. It will however be important for CCMAS to conduct an evaluation of the biological methods on a case-by-case basis to determine which one could be replaced with more robust analytical methods.

### **AGENDA ITEM 7 - REVIEW AND UPDATE OF METHODS IN CODEX STAN 234-1999 (CX/MAS 16/37/7)**

Ghana supports the recommendation that the CODEX STAN 234 should be made the single most authoritative reference document on method of analysis. This approach has already been adopted by the Codex Committee on Contaminants in Foods in the case of General Standard for Contaminants and Toxins in Food and Feed (CODEX STAN 193-1995) and can be replicated by the CCMAS. Such an approach will facilitate dynamic revision of method of analysis. Ghana also supports the five-step procedure for developing a single reference for methods of analysis.