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FOOD STANDARDS AGENCY INFORMATION BULLETIN ON METHODS OF ANALYSIS AND SAMPLING FOR FOODSTUFFS

CUMULATIVE INDEX

The Cumulative Index for the above Bulletin is issued by the Food Standards Agency to Public Analysts, to other analysts working in the food sector and to others with an interest in the sector.

It is to be read in association with the Bulletins themselves.

It will only be issued in electronic form in pdf format as an email attachment.

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Issue Number	Date	Topics
1	December 2000	Codex Committee on Methods of Analysis and Sampling: "Criteria For Evaluating Acceptable Methods Of Analysis For Codex Purposes" (doc CX/MAS ¼).
2	January 2001	<ol style="list-style-type: none"> 1. Codex Committee on Methods of Analysis and Sampling: "Proposed General Guidelines on Sampling" (doc. CX/MAS 01/3). 2. Information for Codex Commodity Committees on the selection of Codex sampling procedures and interpretation of Codex specifications: Introduction and general background
3	January 2001	Codex Committee on Methods of Analysis and Sampling: "Consideration of Harmonised Guidelines for the Use of Recovery Information on Analytical Measurement" (doc. CX/MAS 01/6).
4	January 2001	<ol style="list-style-type: none"> 1. Codex Committee on Methods of Analysis and Sampling: "Criteria for Evaluating Acceptable Methods of Analysis for Codex Purposes: Dispute Situations" (doc. CX/MAS ¼ – add.2) 2. Codex Committee on Methods of Analysis and Sampling: "Proposed Draft General Guidelines on Sampling" (doc. CX/MAS 01/3 –Corrigendum) 3. AMC Website information.
5	January 2001	<ol style="list-style-type: none"> 1. Preliminary results of collaborative trial on the determination of hydroxyproline in meat products. 2. Collaborative Trials being initiated.
6	February 2001	<p>Preliminary results of co-operative trial on the determination of fat in spreadable fats</p> <p>Codex Committee on Methods of Analysis and Sampling: "Measurement Uncertainty: Progress Report by Relevant Organisations (EURACHEM) and the Relationship between the Analytical Result, the Measurement Uncertainty and the Specification in Codex Standards" (doc. CX/MAS 01/8).</p>
7	February 2001	Codex Committee on Methods of Analysis and Sampling: "In-House Method Validation" (doc. CX/MAS 01/9)
8	February 2001	Varietal And Geographic Origin Of Five Commercial USA Rice Samples Labelled As Basmati Rice
9	February 2001	A Comparison Of Bactoscan Counts On Raw Bovine Milk Against Equivalent Total Viable Counts Obtained By The Agar Pour Plate Method

10	April 2001	Results from Collaborative Trial 125 on the Determination of Dietary Fibre in Some Foods
11	June 2001	Results from a project to critically assess the chromatographic and calculation procedures used to quantitatively determine fatty acids in fats and oils
12	August 2001	Methods of Analysis for Food Additives
13	October 2001	Results from a Collaborative Trial to estimate the cocoa butter equivalents in cocoa butter and chocolate fats by triglyceride analysis
14	October 2001	1. AMC Website Information 2. Methods of analysis and sampling for dioxins and dioxin-like PCBs in foods and feeds
15	December 2001	Collaborative trials being initiated (130 – 132)
16	December 2001	Collaborative trials being initiated (133 – 140)
17	April 2002	Methods of Analysis for Food Additives
18	May 2002	Methods of Analysis for Food Additives
19	June 2002	Codex Committee on Methods of Analysis and Sampling: “Proposed General Guidelines on Sampling” (doc. CX/MAS 01/3)
20	June 2002	Methods of analysis and sampling for dioxins and dioxin-like PCBs in foods and feeds
21	July 2002	Draft EURACHEM/CITAC Guide on Traceability in Chemical Measurement
22	July 2002	1. Items of general interest: a. Index of NMKL publications up to April 2002 b. Work programme of ENT C 275 (horizontal methods of analysis) – published standards and on-going work items c. A new AOAC official method for determination of total dietary fibre by enzymatic-gravimetric method and liquid chromatography 2. Commission Directive laying down the sampling methods and the methods of analysis for the official control of dioxins and the determination of dioxin-like PCBs in foodstuffs
23	July 2002	Food Standards Agency guidelines for Technical Surveys

24	August 2002	<ol style="list-style-type: none"> 1. Methods of Analysis for Quinine 2. Item of general interest: PATHATRIX Method for the detection of some Pathogenic Bacteria in Foods 3. Codex Committee on Methods of Analysis and Sampling: "Consideration of Harmonised IUPAC Guidelines for the In-House (Single-Laboratory) Validation of Methods of Analysis" (doc. CX/MAS 02/10)
25	September 2002	<ol style="list-style-type: none"> 1. Codex Committee on Methods of Analysis and Sampling: "Criteria For Evaluating Acceptable Methods Of Analysis For Codex Purposes" (doc CX/MAS 02/05) 2. Codex Committee on Methods of Analysis and Sampling: "Validation of methods through the use of results from proficiency testing schemes" (CX/MAS 02/12) 3. Codex Committee on Methods of Analysis and Sampling: "The use of analytical results: sampling, relationship between the Analytical results, the measurement uncertainty, recovery factors and the provisions in codex standards (doc. CX/MAS 02/13)
26	October 2002	<ol style="list-style-type: none"> 1. Codex Committee on Methods of Analysis and Sampling: "Proposed Guidelines on Measurement Uncertainty" (doc. CX/MAS 02/6) 2. Codex Committee on Methods of Analysis and Sampling: "Methods of Analysis for the Detection of Food Irradiation" (doc CX/MAS 02/7 add1) 3. Codex Committee on Methods of Analysis and Sampling: "Methods of Analysis for GMOs" (doc CX/MAS 02/8) 4. Codex Committee on Methods of Analysis and Sampling: "Single-Laboratory Validation" (doc CX/MAS 02/11) 5. Codex Committee on Methods of Analysis and Sampling: "The use of analytical results: sampling, relationship between the analytical results, the measurement uncertainty, recovery factors and the provisions in codex standards" (doc CX/MAS 02/13)
27	October 2002	Project Report on the Determination of Arsenic in Foods
28	November 2002	Food Additives
29	November 2002	Food Additives

30	November 2002	<ol style="list-style-type: none"> 1. Items of General Interest <ol style="list-style-type: none"> a. Methods for the official control of probiotics (microorganism feed additives) b. Contaminants In Foods: New Amending Regulations 2. Codex Committee on Methods of Analysis and Sampling: Provisional agenda for 18-22 November, 2002 (CX/MAS 02/1) 3. Codex Committee on Methods of Analysis and Sampling: Matters referred to the Committee by the Codex Alimentarius Commission and other Codex Committees (CX/MAS 02/2) 4. Codex Committee on Methods of Analysis and Sampling: Matters referred to the Committee by the Codex Alimentarius Commission and other Codex Committees (Dioxins) (CX/MAS 02/2 – Add1) 5. Codex Committee on Methods of Analysis and Sampling: Proposed Draft General Guidelines on Sampling (Government Comments) (CX/MAS 02/3 – Add 1) 6. Codex Committee on Methods of Analysis and Sampling: Proposed draft general guidelines on sampling Government comments at step 3 (Government Comments) (CX/MAS 02/3 – Add 2) 7. Codex Committee on Methods of Analysis and Sampling: Criteria for evaluating acceptable methods of analysis for Codex purposes – Dispute situations (CX/MAS 02/4 – Add 2) 8. Codex Committee on Methods of Analysis and Sampling: Proposed amendment to the principles for the establishment of Codex methods of analysis in the procedural manual (Government Comments) (CX/MAS 02/5 – Add 1) 9. Codex Committee on Methods of Analysis and Sampling: Proposed Draft Guidelines on Measurement Uncertainty (Government Comments) (CX/MAS 02/6 – Add 1) 10. Codex Committee on Methods of Analysis and Sampling: Endorsement of methods of analysis provisions in Codex standards (CX/MAS 02/7) 11. Codex Committee on Methods of Analysis and Sampling: Endorsement of methods of analysis provisions in Codex Standards (Additives and Fruit Juices) (CX/MAS 02/7 – Add 2) 12. Codex Committee on Methods of Analysis and Sampling: Consideration of methods for the detection and identification of foods derived from Biotechnology (CX/MAS 02/9) 13. Codex Committee on Methods of Analysis and Sampling: Consideration of harmonised IUPAC guidelines for the in-house validation of methods of analysis (Government Comments) (CX/MAS 02/10 – Add 1)
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31	November 2002	Codex Committee on Methods of Analysis and Sampling: "Proposed Draft Guidelines for Evaluating Acceptable Methods Of Analysis" (doc CX/MAS 02/04)
32	December 2002	Codex Committee on Methods of Analysis and Sampling: Report of the 24 th Session
33	April 2003	<p>A: AMC Technical Briefs:</p> <ol style="list-style-type: none"> 1. The estimation and use of recovery factors. 2. How to combine proficiency testing results with your own uncertainty estimate – the zeta score. 3. Is my calibration linear? 4. Representing data distributions with kernel density estimates. 5. What should be done with the results below the detection limit? Mentioning the unmentionable. 6. Robust statistics: a method of coping with outliers. 7. Nitrogen factors 8. The Bootstrap: A Simple Approach to Estimating Standard Errors and Confidence Intervals when Theory fails. 9. A simple fitness-for-purpose control chart based on duplicate results obtained from routine test materials. 10. Fitting a linear functional relationship to data with error on both variables. 11. Understanding and acting on scores obtained in proficiency testing schemes. 12. The J-chart: a simple plot that combines the capabilities of Shewhart and Cusum charts, for use in analytical quality control. <p>B: Report Of The 15th Meeting Of International Organisations Working In The Field Of Methods Of Analysis And Sampling (Inter-Agency Meeting)</p> <p>C: Quality Assurance of Research</p>
34	May 2003	Quality Assurance of Research
35	June 2003	EURACHEM/CITAC Guide on Traceability in Chemical Measurement
36	July 2003	Collaborative Trial 144: Methods of analysis for animal feedingstuffs
37	September 2003	Collaborative Trial 145: Methods for the Detection and Determination of Sudan I in Chilli Products by HPLC
38	October 2003	Collaborative Trial 143: Determination of C4 and C15 in Fats and Oils
39	October 2003	The Determination of the Freezing Point Depression of Milk from Cows, Goats, Ewes and Buffaloes
40	October 2003	Proposed amending Dioxin legislation

41	December 2003	<p>Draft Commission Directive Laying Down The Sampling Methods And The Methods Of Analysis For The Official Control Of The Levels Of Tin In Canned Foods</p> <p>Methods of analysis and sampling for olive oils</p>
42	January 2004	<p>Report to the Standing Committee on the Food Chain and Animal Health on the Relationship between Analytical Results, the Measurement Uncertainty, Recovery Factors and the Provisions in EU Food and Feed Legislation</p>
43	February 2004	<p>Codex Committee on Methods of Analysis and Sampling Documents</p> <ol style="list-style-type: none"> 1. Codex Committee on Methods of Analysis and Sampling: Provisional agenda for 8-12 March, 2004 (CX/MAS 04/1) 2. Codex Committee on Methods of Analysis and Sampling: Matters referred to the Committee by the Codex Alimentarius Commission and other Codex Committees (CX/MAS 04/2) 3. Codex Committee on Methods of Analysis and Sampling: Proposed Draft General Guidelines on Sampling: Government Comments at Step 6 (CX/MAS 04/3) 4. Codex Committee on Methods of Analysis and Sampling: Proposed Draft Guidelines on Measurement Uncertainty: Government Comments at Step 6 (CX/MAS 04/4) 5. Codex Committee on Methods of Analysis and Sampling: Proposed Guidelines for Evaluating Acceptable Methods of Analysis: Government Comments at Step 3 (CX/MAS 04/5) 6. Codex Committee on Methods of Analysis and Sampling: Proposed Guidelines for Evaluating Acceptable Methods of Analysis: Fitness-for-Purpose Approach (CX/MAS 04/7) 7. Codex Committee on Methods of Analysis and Sampling: Consideration of methods for the detection and identification of foods derived from Biotechnology: General Approach And Criteria For The Methods (CX/MAS 04/10)

44	March 2004	<p>Codex Committee on Methods of Analysis and Sampling Documents</p> <ol style="list-style-type: none"> 1. Codex Committee on Methods of Analysis and Sampling: The use of analytical results: sampling, relationship between the analytical results, the measurement uncertainty, recovery factors and provisions in Codex Standards (CX/MAS 04/2-Add 1) 2. Codex Committee on Methods of Analysis and Sampling: Proposed Draft Guidelines on Measurement Uncertainty: Government Comments at Step 6 (CX/MAS 04/4-Add.1) 3. Codex Committee on Methods of Analysis and Sampling: Review of the analytical terminology for Codex use in the Procedural Manual. Government Comments (Cuba, France, Iran, United States of America) (CX/MAS 04/8) 4. Codex Committee on Methods of Analysis and Sampling: Review of the analytical terminology for Codex use in the Procedural Manual. Government Comments (Japan, New Zealand) (CX/MAS 04/8-Add.1) 5. Codex Committee on Methods of Analysis and Sampling: Endorsement of methods of analysis provisions in Codex Standards (CX/MAS 04/9) 6. Endorsement of methods of analysis provisions in Codex Standards (CX/MAS 04/9-Add.1) 7. Codex Committee on Methods of Analysis and Sampling: Endorsement of methods of analysis provisions in Codex Standards. Government Comments (Canada) (CX/MAS 04/9-Add.2) <p>Tin Legislation (February 2004):</p> <p>Commission Directive 2004/16/EC of 12 February 2004 laying down the sampling methods and the methods of analysis for the official control of the levels of tin in canned foods.</p> <p>Commission Regulation (EC) No 242/2004 of 12 February 2004 amending Regulation (EC) No 466/2001 as regards inorganic tin in foods (Text with EEA relevance).</p>
45	March 2004	<p>Report to the Standing Committee on the Food Chain and Animal Health on the Relationship between Analytical Results, the Measurement Uncertainty, Recovery Factors and the Provisions in EU Food and Feed Legislation</p>

46	March 2004	<p>1. Codex Committee On Methods Of Analysis And Sampling: Proposed Draft Guidelines On Measurement Uncertainty</p> <p>2. Codex Committee On Methods Of Analysis And Sampling: The Use Of Analytical Results: Sampling, Relationship Between The Analytical Results, The Measurement Uncertainty, Recovery Factors And The Provisions In Codex Standards</p> <p>3. Scientific Cooperation Task 9.1. "Preparation of a working document in support of the uniform interpretation of legislative standards and the laboratory quality standards prescribed under Directive 93/99/EEC" Summary Report and Full Report</p>
47	April 2004	<p>1. Technical guidance for sampling and detection of genetically modified organisms and material produced from genetically modified organisms as or in products in the context of Regulation (EC) No 1830/2003</p> <p>2. Codex Committee on Methods of Analysis and Sampling: "Report of the 25th Session" (doc ALINORM 04/27/23)</p>
48	July 2004	Results from the Collaborative Trial 145 on Sudan 1.

49	July 2004	<p>AMC Technical Briefs:</p> <ol style="list-style-type: none"> 1. The estimation and use of recovery factors. 2. How to combine proficiency testing results with your own uncertainty estimate – the zeta score. 3. Is my calibration linear? 4. Representing data distributions with kernel density estimates. 5. What should be done with the results below the detection limit? Mentioning the unmentionable. 6. Robust statistics: a method of coping with outliers. 7. Nitrogen factors 8. The Bootstrap: A Simple Approach to Estimating Standard Errors and Confidence Intervals when Theory fails. 9. A simple fitness-for-purpose control chart based on duplicate results obtained from routine test materials. 10. Fitting a linear functional relationship to data with error on both variables. 11. Understanding and acting on scores obtained in proficiency testing schemes. 12. The J-chart: a simple plot that combines the capabilities of Shewhart and Cusum charts, for use in analytical quality control. 13. Terminology – the key to understanding analytical science. Part 1: Accuracy, precision and uncertainty. 14. A glimpse into Bayesian statistics 15. Is my uncertainty estimate realistic? 16. Proficiency testing: assessing z-scores in the longer term 17. The amazing Horwitz function <p>AMC Background Paper</p> <ol style="list-style-type: none"> 1. What is uncertainty from sampling, and why is it important? <p>AMC Recommendations</p> <ol style="list-style-type: none"> 1. Test for 'sufficient homogeneity' in a reference material. <p>Report to the Standing Committee on the Food Chain and Animal Health on the Relationship between Analytical Results, the Measurement Uncertainty, Recovery Factors and the Provisions in EU Food and Feed Legislation (Website version)</p>
50	September 2004	The International Harmonized Protocol For The Proficiency Testing Of (Chemical) Analytical Laboratories (Technical Report)
51	September 2004	Analytical Terminology For Codex Use

52	December 2004	Collaborative Trial 135 – Determination of the Fat Content of Butter, Edible Oil Emulsions and Spreadable Fats using a “Direct” Method The Detection Of Sudan I, II, III And IV In Palm Oil By Thin Layer Chromatography
53	December 2004	Draft guidance document for Competent Authorities for the control of Compliance with EU legislation on Aflatoxins (SANCO/0094/2003 – 6)
54	December 2004	Collaborative Trial 123: Determination Of Hydroxyproline Content In Meat And Meat Products
55	January 2005	Collaborative Trial 127: Determination Vitamin B ₁ (Thiamine) In Foods By An HPLC Method
56	February 2005	Proposed Collaborative Trial of a Method for the determination Of Hydroxymethylfurfural In Honey Using Solid Phase Extraction Cleanup And Liquid Chromatography Trial. Proposed Collaborative Trial of a Method for the Canthaxanthin, Astaxanthin and other carotenoids in fish feed and poultry feed Trial. Proposed Collaborative Trial of a Method for the Determination of B-group Vitamins in Vitamin Supplements Vitamins Trial.
57	March 2005	Codex Committee on Methods of Analysis and Sampling Documents 1. Codex Committee on Methods of Analysis and Sampling: Provisional Agenda (CX/MAS 05/26/1) 2. Codex Committee on Methods of Analysis and Sampling: Conversion of the Methods for Trace Elements into Criteria (CX/MAS 05/26/7 – Add.1) 3. Codex Committee on Methods of Analysis and Sampling: Consideration of the Methods for the Detection and Identification of Foods Derived from Biotechnology (CX/MAS 05/26/9)
58	June 2005	Results of Collaborative Trial 130: Determination of Zearalenone in Cereals and Cereal Products
59	June 2005	Results of Collaborative Trial 131: Determination of Deoxynivalenol in Cereals and Cereal Products
60	January 2006	Codex Committee on Methods of Analysis and Sampling: Report of the 26 th Session (doc ALINORM 04/28/23)
61	January 2006	Explanatory Guide to Mass Spectrometry Abbreviations

62	February 2006	A: The International Harmonized Protocol For The Proficiency Testing Of Analytical Chemistry Laboratories B: The Assessment of PT Results
63	February 2006	The Assessment of PT Results
64	February 2006	The Assessment of PT Results
65	February 2006	The Assessment of PT Results
66	March 2006	Codex Committee on Methods of Analysis and Sampling Documents: 1. Codex Committee on Methods of Analysis and Sampling: Provisional Agenda (CX/MAS 06/27/1) 2. Codex Committee on Methods of Analysis and Sampling: Proposed draft guidelines for settling disputes over analytical (test) results – Government Comments at step 3 (CX/MAS 06/27/4) 3. Codex Committee on Methods of Analysis and Sampling: Proposed draft guidelines for settling disputes over analytical (test) results – Revised Version ((CX/MAS 06/27/4 – add 1)
67	March 2006	Codex Committee on Methods of Analysis and Sampling Document Draft Guidelines for Evaluating Acceptable Methods of Analysis
68	March 2006	Codex Committee on Methods of Analysis and Sampling Document Review Of The <i>Analytical Terminology For Codex Use In The Procedural Manual</i>
69	March 2006	Codex Committee on Methods of Analysis and Sampling Document Matters Referred To The Committee By The Codex Alimentarius Commission And Other Codex Committees
70	April 2006	Codex Committee on Methods of Analysis and Sampling Document Consideration of the methods for the detection and identification of foods derived from biotechnology General approach and criteria for the methods

71	April 2006	Codex Committee on Methods of Analysis and Sampling Document Revision Of The IUPAC/ISO/AOAC Protocol For Proficiency Testing
72	April 2006	Codex Committee on Methods of Analysis and Sampling Document a. Uncertainty of Sampling b. Conversion of the Methods for Trace Elements into Criteria
73	January 2007	Codex Committee on Methods of Analysis and Sampling: Report of the 27 th Session (doc ALINORM 06/29/23)
74	January 2007	Food Standards Agency – Guidelines for Undertaking Surveys
75	January 2007	Report on the inter-laboratory trial of the microsatellite method for the identification of certain basmati rice varieties
76	February 2007	Codex Committee on Methods of Analysis and Sampling Documents a. Matters referred to the Committee by the Codex Alimentarius Commission and other Codex Committees (CX/MAS 07/28/02) b. Draft guidelines for evaluating acceptable methods of analysis (CX/MAS 07/28/03) c. Draft guidelines for settling disputes over analytical (test) results government comments at step 6 (CX/MAS 07/28/04)
77	February 2007	Codex Committee on Methods of Analysis and Sampling Documents a. Review Of The Analytical Terminology For Codex Use In The Procedural Manual (CX/MAS 07/28/05) b. Endorsement of methods of analysis provisions in Codex Standards (CX/MAS 07/28/06) c. Conversion Of The Methods For Trace Elements Into Criteria (CX/MAS 07/28/07)

78	February 2007	<p>Codex Committee on Methods of Analysis and Sampling Documents</p> <p>a. Consideration Of The Methods For The Detection And Identification Of Foods Derived From Biotechnology – General Approach And Criteria For The Methods (CX/MAS 07/28/08)</p> <p>b. Revision Of The Principles For The Establishment Or Selection Of Codex Sampling Procedures (CX/MAS 07/28/09)</p> <p>c. The Role Of CCMAS With Respect To Methods Without Detailed Provisions In Codex-Standards (CX/MAS 07/28/10)</p>
79	February 2007	<p>Codex Committee on Methods of Analysis and Sampling Document</p> <p>Uncertainty Of Sampling (CX/MAS 07/28/11)</p>
80	June 2007	<p>Codex Committee on Methods of Analysis and Sampling: Report of the 28th Session (doc ALINORM 07/30/23)</p>
81	July 2007	<p>Codex Committee on Methods of Analysis and Sampling documents</p> <p>a. Conference Room Document 19: Draft Guidelines for Settling Disputes over Analytical (Test) Results</p> <p>b. Conference Room Document 18: Consideration of the methods for the detection and identification of foods derived from biotechnology</p>
82	August 2007	<p>Collaborative Trial 148a: Determination of Thiamin, Riboflavin, Niacin, Vitamin B₆ and Pantothenic acid in Vitamin Supplements By Reverse-Phase HPLC with UV Spectrometric Detection</p> <p>Collaborative Trial 148b: The Determination of Vitamins A, D and E in Vitamin Supplements</p>