II

(Acts whose publication is not obligatory)

COMMISSION

FIRST COMMISSION DIRECTIVE

of 28 July 1981

laying down Community methods of analysis for verifying that certain additives used in foodstuffs satisfy criteria of purity

(81/712/EEC)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community,

Having regard to the Council Directive of 23 October 1962 on the approximation of the laws of the Member States concerning the colouring matters authorized for use in foodstuffs intended for human consumption (1), as last amended by Directive 78/144/EEC (2), and in particular Article 11 (2) thereof,

Having regard to Council Directive 64/54/EEC of 5 November 1963 on the approximation of the laws of the Member States concerning the preservatives authorized for use in foodstuffs intended for human consumption (3), as last amended by Directive 79/40/EEC (4), and in particular Article 8 (2) thereof.

Having regard to Council Directive 70/357/EEC of 13 July 1970 on the approximation of the laws of the Member States concerning the antioxidants authorized for use in foodstuffs intended for human consumption (5), as last amended by Directive 78/143/EEC (6), and in particular Article 5 (2) thereof.

Whereas these provisions lay down that Community methods of analysis shall be established for verifying that these additives satisfy general and specific criteria of purity;

Whereas a first series of methods for which the studies have been completed should now be adopted;

Whereas the measures provided for in this Directive are in accordance with the opinion of the Standing Committee on Foodstuffs,

HAS ADOPTED THIS DIRECTIVE:

Article 1

The Member States shall prescribe that the analyses necessary for verifying that certain additives used in foodstuffs satisfy the general and specific criteria of

(1) OJ No 115, 11. 11. 1962, p. 2645/62.
(2) OJ No L 44, 15. 2. 1978, p. 20.
(3) OJ No 12, 27. 1. 1964, p. 161/64.
(4) OJ No L 13, 19. 1. 1979, p. 50.
(5) OJ No L 157, 18. 7. 1970, p. 31.
(6) OJ No L 44, 15. 2. 1978, p. 18.

purity shall be carried out according to the methods described in Annex II, the scope of which is laid down in Annex I.

Article 2

The Member States shall bring into force the laws, regulations or administrative provisions necessary to comply with this Directive not later than 20 February 1983. They shall forthwith inform the Commission thereof.

Article 3

This Directive is addressed to the Member States.

Done at Brussels, 28 July 1981.

For the Commission
Karl-Heinz NARJES
Member of the Commission

ANNEX I

SCOPE OF THE COMMUNITY METHODS OF ANALYSIS FOR VERIFYING THAT CERTAIN ADDITIVES USED IN FOODSTUFFS MEET PURITY CRITERIA

I. INTRODUCTION

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II. COLOURING MATTERS

II.1. Determination of substances extractable with diethyl ether from water-soluble sulphonated organic colouring matters used in foodstuffs using Annex II, method 1.

III. PRESERVATIVES

III.1. Determination of formic acid, formates and of other oxidizable impurities in acetic acid (E 260), potassium acetate (E 261), sodium diacetate (E 262) and calcium acetate (E 263) using Annex II, method 2.

III.2. Determination of non-volatile substances in propionic acid (E 280) using Annex II, method 3.

III.3. Determination of the loss of mass on drying of sodium nitrite (E 250) using Annex II, method 4.

III.4. Limit test for salicylic acid in ethyl *p*-hydroxybenzoate (E 214), ethyl *p*-hydroxybenzoate, sodium salt (E 215), *n*-propyl *p*-hydroxybenzoate (E 216), *n*-propyl *p*-hydroxybenzoate, sodium salt (E 217), methyl *p*-hydroxybenzoate (E 218) and methyl *p*-hydroxybenzoate, sodium salt (E 219) using Annex II, method 5.

III.5. Determination of free acetic acid in sodium diacetate (E 262) using Annex II, method 6.

III.6. Determination of sodium acetate in sodium diacetate (E 262) using Annex II, method 7.

III.7. Limit test for determination of aldehydes in sorbic acid (E 200) in sodium, potassium and calcium sorbates (E 201, E 202, E 203) and in propionic acid (E 280) using Annex II, method 8.

IV. ANTIOXIDANTS

IV.1. Determination of the number of peroxide groups of lecithins (E 322) using Annex II, method 9.

IV.2. Determination of toluene-insoluble substances in lecithins (E 322) using Annex II, method 10.

IV.3. Limit test for reducing substances in sodium, potassium and calcium lactates (E 325, E 326 and E 327) using Annex II, method 11.

IV.4. Determination of volatile acids in orthophosphoric acid (E 338) using Annex II, method 12.

IV.5. Limit test for nitrates in orthophosphoric acid (E 338) using Annex II, method 13.

IV.6. Determination of water-insoluble substances in mono-, di- and tri-sodium orthophosphate and mono-, di- and tri-potassium orthophosphates (E 339(i), E 339(ii), E 339(iii), E 340(i), E 340(ii), E 340(iii)) using Annex II, method 14.

V. GENERAL

V.1. Determination of pH in food additives using Annex II, method 15.

ANNEX II

METHODS OF ANALYSIS RELATING TO THE CRITERIA OF PURITY OF FOOD ADDITIVES

INTRODUCTION

1. Preparation of the analysis sample

1.1. *General*

The mass of the laboratory sample intended for analysis must normally be 50 g unless a larger quantity is required for a specific determination.

1.2. *Sample preparation*

The sample shall be made homogeneous prior to analysis.

1.3. *Preservation*

The prepared sample shall always be kept in an air-tight and moisture-tight container and stored so that deterioration is prevented.

2. Reagents

2.1. *Water*

2.1.1. Wherever mention is made of water for solution, dilution or washing purposes, distilled water, or demineralized water of at least equivalent purity, is intended.

2.1.2. Wherever reference is made to 'solution' or 'dilution' without further indication of a reagent, an aqueous solution is intended.

2.2. *Chemicals*

All chemicals shall be of analytical reagent quality except where otherwise specified.

3. Equipment

3.1. *List of equipment*

The list of equipment contains only those items with a specialized use and items with a particular specification.

3.2. *Analytical balance*

Analytical balance means a balance with a sensitivity of 0·1 mg or greater.

4. Expression of results

4.1. *Results*

The result stated in the official analysis report shall be the mean value of at least two determinations the repeatability of which is satisfactory.