

Commission Directive of 29 April 1981 laying down the Community method of analysis for the official control of vinyl chloride released by materials and articles into foodstuffs (81/432/EEC) (repealed)

- Article 1 The analysis necessary for official control of vinyl chloride released...
- Article 2 The Member States shall bring into force the laws, regulations...
- Article 3 This Directive is addressed to the Member States.  
Signature

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ANNEX

DETERMINATION OF VINYL CHLORIDE RELEASED  
BY MATERIALS AND ARTICLES INTO FOODSTUFFS

1. SCOPE AND FIELD OF APPLICATION
2. PRINCIPLE
3. REAGENTS
  - 3.1. Vinyl chloride (VC), of purity greater than 99.5% (v/v).
  - 3.2. N, N-dimethylacetamide (DMA), free from any impurity with the same...
  - 3.3. Diethyl ether or cis-2-butene, in DMA (3.2) as the internal...
  - 3.4. Distilled water or demineralized water of equivalent purity.
4. APPARATUS

NB:

  - 4.1. Gas-chromatograph fitted with automatic headspace sampler or with facilities for...
  - 4.2. Flame ionization detector or other detectors mentioned in point 7...
  - 4.3. Gas-chromatographic column
  - 4.4. Sample phials or flasks fitted with silicon or butyl rubber...
  - 4.5. Micro-syringes.
  - 4.6. Gas-tight syringes for manual headspace sampling.
  - 4.7. Analytical balance accurate to 0.1 mg.
5. PROCEDURE

NB:

  - 5.1. Preparation of standard VC solution (solution A)
    - 5.1.1. Concentrated standard VC solution at approximately 2 000 mg/kg
    - 5.1.2. Preparation of dilute standard VC solution
    - 5.1.3. Preparation of the response curve with solution A

NB:
  - 5.2. Validation of preparation of standard solutions obtained in point 5.1...
    - 5.2.1. Preparation of a second standard VC solution (solution B)
    - 5.2.2. Validation of solution A
  - 5.3. Preparation of the 'addition' curve

- NB:
- 5.3.1. Preparation of sample
- 5.3.2. Procedure
- 5.4. Gas-chromatographic determinations
  - 5.4.1. Agitate the phials avoiding contact between the contained liquid and...
  - 5.4.2. Put all the sealed phials (5.2 and 5.3) in a...
  - 5.4.3. Take a sample from the headspace in the phial. When...
  - 5.4.4. Construct a graph in which the ordinate value shows the...
  - 5.4.5. Remove from the column (4.3) excess DMA using an appropriate...
- 6. RESULTS
- 7. CONFIRMATION OF THE VC
- 8. REPEATABILITY

- (1) OJ No L 44, 15.2. 1978, p. 15.