

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 762

FRUIT AND VEGETABLE PRODUCTS

DETERMINATION OF MINERAL IMPURITIES

1st EDITION

June 1968

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BRIEF HISTORY

The ISO Recommendation R 762, *Fruit and vegetable products – Determination of mineral impurities*, was drawn up by Technical Committee ISO/TC 34, *Agricultural food products*, the Secretariat of which is held by the Magyar Szabványügyi Hivatal (MSZH).

Work on this question by the Technical Committee began in 1960 and led, in 1964, to the adoption of a Draft ISO Recommendation.

In October 1966, this Draft ISO Recommendation (No. 1022) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	Hungary	Romania
Brazil	India	South Africa,
Bulgaria	Iran	Rep. of
Chile	Ireland	Thailand
Colombia	Israel	Turkey
Czechoslovakia	Korea, Rep. of	United Kingdom
France	Netherlands	U.S.S.R.
Germany	Poland	Yugoslavia
Greece	Portugal	

No Member Body opposed the approval of the Draft.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in June 1968, to accept it as an ISO RECOMMENDATION.

FRUIT AND VEGETABLE PRODUCTS

DETERMINATION OF MINERAL IMPURITIES

1. SCOPE

- 1.1 This ISO Recommendation describes a procedure for the determination, by the flotation method, of mineral impurities in fruit and vegetable products.

1.2 Field of application

This method serves for the determination of heavy impurities, generally originating from the soil (sand) but which can also consist of metallic or mineral fragments of high density.

Siliceous impurities are determined by the method described in ISO Recommendation R 763, *Products derived from fruits and vegetables – Determination of ash insoluble in hydrochloric acid*.

2. PRINCIPLE

Separation of organic matter by washing, incineration at 500 to 600 °C and weighing of the residue obtained.

3. APPARATUS

- 3.1 *Muffle furnace*, regulated at 500 to 600 °C.
- 3.2 *Analytical balance*.
- 3.3 *Blender*.
- 3.4 *Desiccator*, containing an efficient desiccant.
- 3.5 *Beakers*, 250 and 600 ml.
- 3.6 *Dish*, of quartz, porcelain or platinum.
- 3.7 *Filter paper*, ashless.
- 3.8 *Separating funnel*, 2 litres, provided with a wide-bore tap (see figure) for continuous separating, or
- 3.9 *Conical glass vessel with foot*, 1000 ml, for discontinuous separation.