

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 638

PULPS
DETERMINATION OF DRY MATTER CONTENT

1st EDITION
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BRIEF HISTORY

The ISO Recommendation R 638, *Pulps—Determination of dry matter content*, was drawn up by Technical Committee ISO/TC 6, *Paper, board and pulps*, the Secretariat of which is held by the Association Française de Normalisation (AFNOR).

Work on this question by the Technical Committee began in 1961 and led, in 1965, to the adoption of a Draft ISO Recommendation.

In November 1965, this Draft ISO Recommendation (No. 870) 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:

Argentina	India	Romania
Australia	Iran	South Africa,
Austria	Ireland	Rep. of
Belgium	Israel	Spain
Brazil	Italy	Sweden
Canada	Japan	Switzerland
Chile	Korea, Rep. of	Turkey
Czechoslovakia	Netherlands	U.A.R.
Denmark	New Zealand	United Kingdom
Finland	Norway	U.S.A.
France	Poland	U.S.S.R.
Germany	Portugal	Yugoslavia

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 November 1967, to accept it as an ISO RECOMMENDATION.

PULPS
DETERMINATION OF DRY MATTER CONTENT

1. PURPOSE

This ISO Recommendation describes a method for the determination of the dry matter content in pulp.

2. SCOPE

This method applies to moist or air-dry pulp which does not contain any appreciable quantity of matter, other than water, volatile at the specified temperature. It is used, for example, with pulp samples taken for chemical and physical tests in the laboratory which require concurrent determination of dry matter content. This method does not apply to the determination of the dry matter content of slush pulp nor to the determination of the saleable mass of lots of pulp.

3. DEFINITION

The dry matter content of a pulp sample is the mass of a test piece when dried to constant mass at a temperature of 103 ± 2 °C under specified conditions, expressed as a percentage of the moist mass of the test piece.

4. APPARATUS

- 4.1 **Weighing bottles**, water-vapour proof and with tightly fitting lids.
- 4.2 **Oven**, capable of being maintained at a temperature of 103 ± 2 °C. The oven should be suitably ventilated.
- 4.3 **Balance**, with an accuracy of 0.001 g.

5. PREPARATION OF SAMPLE

Cut or tear the pulp sample into pieces of suitable size or prepare the pulp sample taking into account the determination for which this test is being made. In handling the pulp special precautions should be taken to avoid any change in moisture content. The samples which have been kept in water-vapour proof containers should be quickly cut and weighed to minimize any variations in moisture content.