

Transformed.

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 776

PULPS

DETERMINATION OF ACID INSOLUBLE ASH

1st EDITION

July 1968

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BRIEF HISTORY

The ISO Recommendation R 776, *Pulps – Determination of acid insoluble ash*, 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 1965 and led, also in 1965, to the adoption of a Draft ISO Recommendation.

In November 1966, this Draft ISO Recommendation (No. 1067) 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	Portugal
Australia	Iran	Romania
Belgium	Israel	Spain
Brazil	Italy	Sweden
Bulgaria	Japan	Switzerland
Canada	Korea, D.P.R. of	Turkey
Czechoslovakia	Korea, Rep. of	U.A.R.
Denmark	Mexico	United Kingdom
Finland	Netherlands	U.S.A.
France	New Zealand	U.S.S.R.
Germany	Norway	Yugoslavia

One Member Body opposed the approval of the Draft :

Cuba

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

PULPS

DETERMINATION OF ACID INSOLUBLE ASH

1. SCOPE

This ISO Recommendation describes a method for the determination of the acid insoluble ash in pulp, which is the insoluble residue obtained after reducing the pulp to ash and treating the ash with hydrochloric acid.

2. FIELD OF APPLICATION

The method applies to all kinds of pulps.

3. PRINCIPLE OF THE METHOD

The pulp is ashed and the ash is treated with hydrochloric acid. The insoluble residue is filtered, washed, ignited and weighed.

4. REAGENT

- 4.1 *Hydrochloric acid*, about 6 M. Dilute 500 ml of hydrochloric acid (HCl) ($d = 1.19$) with 500 ml of distilled water. The acid should be of analytical grade.

5. APPARATUS

- 5.1 *Dishes*, of platinum.
5.2 *Balance*, with an accuracy of 0.1 mg.

6. PROCEDURE

6.1 Preparation of test piece

Weigh, to the nearest 0.01 g, an amount of air-dry pulp previously torn into pieces of suitable size that will produce at least 1 mg of acid insoluble ash. At the same time weigh out a separate sample for dry-matter determination in accordance with ISO Recommendation R 638, *Pulps – Determination of dry matter content*.