

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1762

PULPS

DETERMINATION OF ASH

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 1762, *Pulps – Determination of 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 led to the adoption of Draft ISO Recommendation No. 1762, which was circulated to all the ISO Member Bodies for enquiry in February 1969. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	India	Spain
Belgium	Iran	Sweden
Canada	Israel	Switzerland
Chile	Netherlands	Turkey
Czechoslovakia	Norway	U.A.R.
Finland	Peru	United Kingdom
France	Portugal	U.S.A.
Germany	Romania	U.S.S.R.
Greece	South Africa, Rep. of	

No Member Body opposed the approval of the Draft.

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

PULPS

DETERMINATION OF ASH

FOREWORD

In establishing this method a statistical study was made of the determination of ash and of sulphated ash in many different types of pulp. It was proved that neither method showed any significant advantage over the other. Therefore, the more simple ash method was chosen.

1. SCOPE

This ISO Recommendation describes a method for the determination of ash in pulp. The ash content of pulp gives an estimation of its content of mineral salts and other inorganic matter, but is not quantitatively equal to it.

2. FIELD OF APPLICATION

The method applies to all kinds of pulp.

3. DEFINITION

The ash content of a pulp sample is defined as the mass of the residue after complete combustion at a temperature of 575 ± 25 °C under specified conditions and is expressed as a percentage of the mass of the oven-dry sample.

4. APPARATUS

4.1 *Crucibles or dishes* of platinum, porcelain or quartz.

4.2 *Electric muffle furnace*, suitable for maintaining a temperature of 575 ± 25 °C.

5. PREPARATION OF SAMPLE

Tear the air-dry sample into pieces of a suitable size. Do not use cut or punched edges, or other parts where metallic contamination may have occurred.