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ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 158

DETERMINATION OF ASH OF HARD COAL

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 158, *Determination of Ash of Hard Coal*, was drawn up by Technical Committee ISO/TC 27, *Solid Mineral Fuels*, the Secretariat of which is held by the British Standards Institution (B.S.I.).

At the first meeting of ISO/TC 27, held in London, in March 1950, national standards for the determination of ash were compared.

At the second meeting, held in London, in November 1951, this subject was further discussed and provisional decisions were reached on certain details.

At the third meeting, held in London, in November 1953, it was agreed that a draft proposal should be prepared and that Working Group No. 2, *Ash and Moisture*, should attempt to resolve certain outstanding difficulties experimentally.

The first draft proposal was circulated in June 1954. It was considered by the Working Group, together with a counter-proposal from Belgium, at a meeting in October 1954. Six methods for determining ash were demonstrated. After considering all the results, it was agreed that the one-furnace method should be adopted and that the temperature should be raised from cold to 500 °C in 30 minutes and from 500 °C to the final temperature in 30 to 60 minutes. For the final temperature, a compromise figure of 815 ± 10 °C was adopted.

A second draft proposal incorporating these decisions was circulated in January 1955 to the members of the Committee and was studied, together with the report of the Working Group, at the fourth meeting of ISO/TC 27, held in Stockholm in June 1955. It was agreed that the method should only apply to hard coal, since the question of the final temperature for brown coals and lignites required further investigation. A decision reached at that time was later revoked, and the choice of using a 1 g or a 2 g sample was restored. It was agreed that a new draft proposal should be drawn up on that basis.

This draft proposal for an ISO Recommendation was circulated in June 1956 to the Members of ISO/TC 27, and, with minor changes, was adopted as a Draft ISO Recommendation.

On 29 June 1957, the Draft ISO Recommendation (No. 170) was distributed to all the ISO Member Bodies and was approved, subject to some modifications, by the following 23 (out of a total of 38) Member Bodies:

Austria	*Ireland	Sweden
*Canada	Italy	*Switzerland
Czechoslovakia	Mexico	*Union of
Denmark	Netherlands	South Africa
*Germany	*New Zealand	United Kingdom
*Greece	*Portugal	U.S.A.
Hungary	Romania	*U.S.S.R.
India	Spain	*Yugoslavia

One Member Body opposed the approval of the Draft: Belgium.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in June 1960, to accept it as an ISO RECOMMENDATION.

* These Member Bodies stated that they had no objection to the Draft being approved.