

Methods of test for

Aluminium fluoride for industrial use —

Part 7: Determination of sodium content

[ISO title: Aluminium fluoride for industrial use —
Determination of sodium content — Flame emission
spectrophotometric method]

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Cooperating organizations

The Chemicals Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

- Association of Fatty Acid Distillers
- British Tar Industry Association
- Chemical Industries Association*
- Chemical Society, Analytical Division*
- Consumer Standards Advisory Committee of BSI
- Department of Health and Social Security
- Department of Industry (Laboratory of the Government Chemist)
- Fertiliser Manufacturers' Association Ltd.
- Hydrocarbon Solvents Association
- Ministry of Agriculture, Fisheries and Food
- Ministry of Defence
- National Sulphuric Acid Association
- Paintmakers' Association of Great Britain Ltd.
- Royal Institute of Public Health and Hygiene
- Soap and Detergent Industry Association
- Standardization of Tar Products Tests Committee

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- Aluminium Federation
- British Ceramic Research Association
- Royal Institute of Chemistry

This British Standard, having been prepared under the direction of the Chemicals Standards Committee, was published under the authority of the Executive Board and comes into effect on 31 December 1980

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The following BSI references relate to the work on this standard:
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National foreword

This British Standard has been prepared under the direction of the Chemicals Standards Committee in order to provide methods for the analysis of aluminium fluoride for industrial use. For some years the United Kingdom has participated in the work of preparing methods of test applicable to this material, organized by Sub-committee 7 (formerly WG 8), Alumina and related compounds, of Technical Committee 47, Chemistry, of the International Organization for Standardization (ISO). As international agreement is reached on the methods, it is proposed to publish them as Parts of this British Standard.

This Part of BS 4993 is identical with ISO 4279 “*Aluminium fluoride for industrial use — Determination of sodium content — Flame emission spectrophotometric method*” and incorporates ISO 4279:1977(E)/Erratum, published 1978-09-01.

The first three international test methods in this series were published separately as BS 4993-1, BS 4993-2 and BS 4993-3 and were modified to take into account United Kingdom comments made during their development and to conform with BSI layout. In accordance with current BSI policy, the remaining standards are to be published, without alteration, as separate Parts of this British Standard.

In order to establish a uniform and acceptable overall layout, it is intended, in conjunction, to revise the existing publications, progressively replacing them with the corresponding International Standards, without alteration, as separate Parts of this British Standard. As each of the British Standard test methods is replaced, the opportunity will be taken to ensure that the corresponding International Standards meet current requirements, and to incorporate changes if the International Standards concerned are not acceptable in the United Kingdom as they stand. This aspect of the revision will take place as and when the International Standards concerned are subjected to their five-yearly review and should therefore be completed by 1982. The hope is that in only a very few exceptional cases will it prove necessary to modify the International Standards.

Terminology and conventions. The text of the International Standard has been approved as suitable for publication, without deviation, as a British Standard. Some terminology and certain conventions are not identical with those used in British Standards; attention is especially drawn to the following.

The comma has been used throughout as a decimal marker. In British Standards, it is current practice to use a full point on the baseline as the decimal marker. Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard”.

Cross-references

International Standard	Corresponding British Standard
ISO 2925:1973	BS 4993 <i>Methods of test for aluminium fluoride for industrial use</i> Part 4:1980 <i>Preparation and storage of test samples</i> (Identical)