

Methods of test for

Aluminium fluoride for industrial use —

Part 9: Determination of sulphur content (X-ray fluorescence spectrometric method)

Methods of test for

Cryolite —

Part 12: Determination of sulphur content (X-ray fluorescence spectrometric method)

[ISO title: Cryolite, natural and artificial, and aluminium fluoride for industrial use — Determination of sulphur content — X-ray fluorescence spectrometric 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:

- 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

These Parts of these British Standards have been prepared under the direction of the Chemicals Standards Committee. They are identical with ISO 5938:1979 “*Cryolite, natural and artificial, and aluminium fluoride for industrial use — Determination of sulphur content — X-ray fluorescence spectrometric method*”.

ISO 5938 was originally disapproved by the United Kingdom at Member Body stage. The standard, as published, has been amended in respect of the main United Kingdom criticisms and this has led to a reversal of the original vote.

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.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard”.

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.

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)

There is no British Standard identical with ISO 1619:1976, referred to in the text. However, a related British Standard for ISO 1619 is BS 5050:1974 “*Methods of test for cryolite*”, clause 2, “*Preparation and storage of test samples*”.

The other International Standards listed in the Annex are for information only. Corresponding British Standards are listed below.

International Standard	Corresponding British Standard		
	BS 4993 <i>Methods of test for aluminium fluoride for industrial use</i>	BS 5050:1974 <i>Methods of test for cryolite</i>	Title
ISO 1620:1976	—	Clause 3	<i>Determination of silica content</i> (Related)
ISO 1693:1976	—	Clause 4	<i>Determination of fluorine content</i> (Related)
ISO 1694:1976	—	Clause 5	<i>Determination of iron content</i> (Related)
ISO 2362:1972	Part 1:1974	—	<i>Determination of fluorine content</i> (Related)
ISO 2366:1974	—	Clause 6	<i>Determination of sodium content</i> (Related)
ISO 2367:1972	—	Clause 7	<i>Determination of aluminium content</i> (gravimetric method) (Related)