

Analysis of aluminium ores —

Part 2: Chemical methods —

Section 2.5 Method for determination of iron content: titrimetric method

[ISO title: Aluminium ores — Determination of iron content —
Titrimetric method]

UDC 553.492:543

National foreword

This Section of BS 6870 has been prepared under the direction of the Non-ferrous Metals Standards Committee. It is identical with ISO 6609:1985 “Aluminium ores — Determination of iron content — Titrimetric method”, published by the International Organization for Standardization (ISO).

Terminology and conventions. The text of the International Standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following. The comma has been used 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 “Section of BS 6870”.

Cross-reference

International Standard	Corresponding British Standard
ISO 5725:1986	BS 5497 <i>Precision of test methods</i> Part 1:1987 <i>Guide for the determination of repeatability and reproducibility for a standard test method by inter-laboratory tests</i> (Identical)

Additional information. Attention is drawn to the toxic nature of reagent 4.6, mercury (II) chloride solution, and the need to ensure the safe disposal of all test solutions containing mercury after use.

When adopting the text of the International Standard, it was noticed that in 4.2 hydrochloric acid with a density of 1.17 g/ml is specified, whereas in the UK hydrochloric acid with a density of 1.18 g/ml is normally used. This difference, which will not affect the determination, has been brought to the attention of ISO in a proposal to amend the International Standard by specifying a wider range for the density of the hydrochloric acid required.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 4, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Amendments issued since publication

Amd. No.	Date of issue	Comments

This British Standard, having been prepared under the direction of the Non-ferrous Metals Standards Committee, was published under the authority of the Board of BSI and comes into effect on 28 August 1987

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The following BSI references relate to the work on this standard:
Committee reference NFM/31
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