

Sampling and analysis of nickel, ferronickel and nickel alloys —

Part 8: Method for determination of sulphur in nickel, ferronickel and nickel alloys by iodimetric titration after induction furnace combustion

[ISO title: Nickel, ferronickel and nickel alloys — Determination of sulfur content — Iodimetric titration method after induction furnace combustion]

The European Standard EN 27527:1991 has the status of a British Standard

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Non-ferrous Metals Standards Committee (NFM/-) to Technical Committee NFM/10, upon which the following bodies were represented:

- British Non-ferrous Metals Federation
- British Steel Industry
- Engineering Equipment and Materials Users' Association
- Ministry of Defence
- Process Plant Association
- Stainless Steel Fabricators' Association of Great Britain
- Coopted members

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 31 December 1986

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National foreword

This Part of BS 6783 has been prepared under the direction of the Non-ferrous Metals Standards Committee. It is identical with ISO 7527:1985 “*Nickel, ferronickel, and nickel alloys — Determination of sulfur content – Iodimetric titration method after induction furnace combustion*” published by the International Organization for Standardization (ISO).

In 1991 the European Committee for Standardization (CEN) accepted ISO 7527:1985 as European Standard EN 27527:1991 without any modifications.

At present this British Standard consists of nine Parts all concerned with analysis of nickel, ferronickel and nickel alloys. Further International Standards are in preparation on sampling and analysis of nickel, ferronickel and nickel alloys and, when available, these will be published as further Parts of this British Standard.

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 “Part of BS 6783”.

In British Standards it is current practice to use the symbol “L” for litre (and in its submultiples) rather than “l” and to use the spelling “sulphur”, etc., instead of sulfur, etc.

Cross-references

International Standards	Corresponding British Standards
ISO 1042:1983	BS 1792:1982 <i>Specification for one-mark volumetric flasks</i> (Identical)
ISO 5725:1981	BS 5497 <i>Precision of test methods</i> Part 1:1979 <i>Guide for the determination of repeatability and reproducibility for a standard test method</i> (Technically equivalent)
ISO 7525:1985	BS 6783 <i>Sampling and analysis of nickel, ferronickel and nickel alloys</i> Part 6:1986 <i>Method for determination of sulphur in nickel by methylene blue molecular absorption spectrometry after generation of hydrogen sulphide</i> (Identical)

The Technical Committee has reviewed the provisions of ISO 385-1 and ISO 648, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard.

ISO 385-1 is related to BS 846:1985 “*Specification for burettes*” and ISO 648 is related to BS 1583:1986 “*Specification for one-mark pipettes*”.

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, the EN title page, pages 2 to 8, 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.

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Descriptors: Nickel, nickel alloys, ferronickel, chemical analysis, determination of content, sulphur, volumetric method, iodimetry, combustion analysis, induction furnaces

English version

Nickel, ferronickel and nickel alloys — Determination of sulfur content — Iodimetric titration method after induction furnace combustion

(ISO 7527:1985)

Nickel, ferro-nickel et alliages de nickel —
Dosage du soufre — Méthode par titration
iodométrique après combustion dans un four à
induction
(ISO 7527:1985)

Nickel, Ferronickel und Nickellegierung —
Bestimmung des Schwefelgehaltes —
Iodometrisches Titrationverfahren nach
Verbrennung im Induktionsofen
(ISO 7527:1985)

This European Standard was approved by CEN on 1991-11-06. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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