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BS 7455-1:
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*Incorporating
Amendment No. 1*

Analysis of nickel alloys by flame atomic absorption spectrometry —

**Part 1: General requirements and
sample dissolution**

Committees responsible for this British Standard

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

- British Non-ferrous Metals Federation
- British Steel Industry
- Department of Trade and Industry (Laboratory of the Government Chemist)
- Engineering Equipment and Materials Users' Association
- Ministry of Defence
- Nickel Development Institute
- Non-ferrous Metal Stockists
- 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 Policy Committee, was published under the authority of the Standards Board and comes into effect on 28 June 1991

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The following BSI references relate to the work on this standard:
Committee reference NFM/10
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Amendments issued since publication

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National foreword

This Part of BS 7455 has been prepared under the direction of the Non-ferrous Metals Standards Policy Committee. It is identical with ISO 7530-1 “*Nickel alloys — Flame atomic absorption spectrometric analysis — Part 1:1990 General requirements and sample dissolution*”, published by the International Organization for Standardization (ISO).

At present this British Standard consists of six Parts all concerned with methods for flame spectrometric analysis of nickel alloys. Further International Standards are in preparation on the same subject and when available, these will be published as further Parts of this British Standard.

This Part of BS 7455 is to be used in conjunction with the other Parts which specify methods for the determination of individual elements in nickel alloys by flame atomic absorption spectrometry.

Although the analytical methods are specified in independent standards, it is possible to determine more than one element on a single test solution by adjustment of the sample weight and initial and subsequent dilutions.

Cross-references

International Standard	Corresponding British Standard
ISO 1042:1983	BS 1792:1982 <i>Specification for one-mark volumetric flasks</i> (Identical)
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)

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*”.

Annex A forms an integral part of this Part of BS 7455. Annex B is for information only.

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 6, 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.