INTERNATIONAL STANDARD

ISO 11438-1

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Ferronickel — Determination of trace-element content by electrothermal atomic absorption spectrometric method —

Part 1:
General requirements and sample dissolution

Ferro-nickel — Dosage des éléments-traces — Méthode par spectrométrie d'absorption atomique à excitation électrothermique —

Partie 1: Caractéristiques générales et mise en solution de l'échantillon

Reference number
ISO 11438-1:1993(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11438-1 was prepared by Technical Committee ISO/TC 155, *Nickel and nickel alloys*, Sub-Committee SC 3, *Analysis of nickel and ferronickel*.

ISO 11438 consists of the following parts, under the general title *Ferronickel — Determination of trace-element content by electrothermal atomic absorption spectrometric method*:

— *Part 1: General requirements and sample dissolution*

— *Part 2: Determination of lead content*

— *Part 3: Determination of antimony content*

— *Part 4: Determination of tin content*

— *Part 5: Determination of tellurium content*

— *Part 6: Determination of thallium content*

— *Part 7: Determination of silver content*

— *Part 8: Determination of indium content*

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Introduction

This part of ISO 11438 is to be used in conjunction with the other parts which specify methods for the determination of individual trace elements in ferronickel by electrothermal atomic absorption spectrometry, according to the principle of standard additions.

Although the analytical methods are in independent International Standards it is possible to determine more than one element on a single test solution.