

INTERNATIONAL STANDARD

ISO
4941

Second edition
1994-12-15

Steel and iron — Determination of molybdenum content — Thiocyanate spectrophotometric method

*Aciers et fontes — Dosage du molybdène — Méthode
spectrophotométrique au thiocyanate*



Reference number
ISO 4941:1994(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 4941 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 1, *Methods of determination of chemical composition*.

This second edition cancels and replaces the first edition (ISO 4941:1978), which has been technically revised. The method is now applicable to molybdenum contents between 0,005 % (*m/m*) and 0,125 % (*m/m*). The reason for the upper limit being reduced (from 9 % (*m/m*) in the first edition) is that an international cooperative test showed that the method does not fully comply with the precision criteria suggested for the assessment of a method in an International Standard. A graphical representation of the data obtained in the precision test is given in annex B.

Annexes A and B of this International Standard are for information only.

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