

INTERNATIONAL STANDARD

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Manganese ores — Determination of size distribution by sieving

*Minerais de manganèse — Détermination de la distribution granulométrique par
tamisage*



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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 approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 6230 was prepared by Technical Committee ISO/TC 65, *Manganese and Chromium ores*.

Annex A of this International Standard is for information only.

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Manganese ores — Determination of size distribution by sieving

1 Scope

This International Standard specifies the methods to be employed for determination of size distribution by sieving of manganese ore, whether natural or processed (such as pellets, sinters and other agglomerated ores).

In this International Standard the terms "manganese ore" or "ore" refer to all the above-mentioned types of materials.

The methods described in this International Standard are equally applicable to size determination utilizing one or more sieves.

The purpose of this International Standard is to provide a basis for any testing of manganese ore involving size determination and for use by contracting parties in the sale and purchase of this material.

When this International Standard is used for comparative purposes, agreements should be reached between the producer and the consumer in respect of the detailed method to be employed in order to eliminate sources of controversy.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 565 : 1983, *Test sieves — Woven metal wire cloth, perforated plate and electroformed sheet — Nominal sizes of openings*.

ISO 2591 : 1973, *Test sieving*.

ISO 3310-1 : 1982, *Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth*.

ISO 3310-2 : 1982, *Test sieves — Technical requirements and testing — Part 2: Test sieves of metal perforated plate*.

ISO 4296-1 : 1984, *Manganese ores — Sampling — Part 1: Increment sampling*.

ISO 4296-2 : 1983, *Manganese ores — Sampling — Part 2: Preparation of samples*.

ISO 4299 : 1989, *Manganese ores — Determination of moisture content*.

ISO 8541 : 1986, *Manganese and chromium ores — Experimental methods for checking the bias of sampling and sample preparation*.

ISO 8542 : 1986, *Manganese and chromium ores — Experimental methods for evaluation of quality variation and methods for checking the precision of sampling*.

3 Definitions

For the purposes of this International Standard, the following definitions apply.

3.1 lot : A definite quantity of an ore, processed or produced under conditions which are presumed uniform.

3.2 consignment : A quantity of an ore delivered at one time. The consignment may consist of one or more lots or parts of lots.

3.3 increment :

- 1) A quantity of an ore taken by a sampling device at one time from a consignment.
- 2) A quantity of ore taken by the increment division method.

3.4 subsample :

- 1) A quantity of an ore consisting of two or more increments taken from a consignment.
- 2) An aggregation of two or more increments each of which may have been individually crushed and/or divided as necessary.

3.5 gross sample :

- 1) The quantity of an ore consisting of all the increments taken from a consignment.
- 2) An aggregation of all the increments or all the subsamples each of which may have been individually crushed and/or divided as necessary.