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Ferrovandium — Specification and conditions of delivery

Ferro-vandium — Spécifications et conditions de livraison



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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 132, *Ferrous alloys*.

This second edition cancels and replaces the first edition (ISO 5451:1980), which has been technically revised.

The main changes are as follows:

- the normative references have been updated;
- the designation and chemical composition of ferrovanadium have been revised;
- the particle size of ferrovanadium has been revised;
- the constitution of consignment has been revised;
- the contradictory analysis and arbitral analysis procedures have been revised.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

Ferrovandium is an alloy containing vanadium and iron obtained by reduction. It is usually used as vanadium additive in steelmaking and casting process.

This document was developed in response to worldwide demand for minimum specifications for ferrovandium traded internationally. The requirements of the previous edition (ISO 5451:1980) such as chemical composition and particle size specifications are revised to meet the demand of different uses, promote the rational utilization of resources, reduce carbon emissions and create wealth for the society.