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Unalloyed aluminium ingots for remelting — Classification and composition

*Aluminium non allié en lingots pour refusion — Classification et
composition*



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Foreword

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The main task of technical committees is to prepare International Standards. 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.

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ISO 115 was prepared by Technical Committee ISO/TC 79, *Light metals and their alloys*, Subcommittee SC 4, *Unalloyed (refined) aluminium ingots*.

This first edition cancels and replaces ISO Recommendation ISO/R 115:1968.

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Unalloyed aluminium ingots for remelting — Classification and composition

1 Scope

This International Standard defines the requirements for grades of unalloyed aluminium ingots intended for remelting. It specifies the classification and designation applicable to these grades, the conditions in which they are produced, their properties and the marks by which they are identified.

2 Order

The order, in the form agreed upon between supplier and purchaser, shall contain the following information:

- a) designation of the unalloyed aluminium in accordance with this International Standard or the customer code after agreement between supplier and purchaser;
- b) specification of the form of the products, including mass and dimensions of individual ingot and bundles;
- c) quantity: mass, in tonnes (quantity tolerances if required);
- d) any requirements for certificates of conformity, test and/or analysis reports or inspection certificates;
- e) any additional requirements agreed between supplier and purchaser.

If special requirements, which differ from requirements specified in this International Standard, are specified in the order between supplier and purchaser, then these special requirements shall apply.

3 Requirements

3.1 Production and manufacturing processes

Unless otherwise specified on the order, the production and manufacturing processes shall be left to the discretion of the manufacturer.

Unless otherwise specified on the order, no obligation shall be placed on the manufacturer to use the same processes for subsequent and similar orders.

3.2 Quality control

The supplier shall be responsible for carrying out all inspection and tests required by this International Standard and additional requirements, prior to shipment of the product. If the purchaser wishes to inspect the product at the supplier's works, the purchaser shall stipulate this at the time of placing the order.

3.3 Chemical composition

Each grade of unalloyed aluminium, including refined aluminium, with a specified minimum aluminium content shall be in accordance with the designations and chemical composition given in Table 1.

Each grade of unalloyed aluminium without a specified minimum aluminium content shall be in accordance with the designations and chemical compositions given in Table 2.