

ICS 77.100
CCS H 42



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 3649-2008

Ferromolybdenum

钼铁

(English Translation)

Issued on: August 5, 2008

Implemented on: April 1, 2009

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of PRC**

Table of Contents

Foreword...	3
1 Scope...	5
2 Normative references...	5
3 Technical requirements...	6
4 Test method...	7
5 Inspection rules...	7
6 Packaging, storage, transportation, marking and quality certificate...	8

Foreword

This standard, through revision, adopted ISO 5452:1980 "Ferromolybdenum - Specification and conditions of delivery" (English version).

This standard was redrafted in accordance with ISO 5452:1980. In order to facilitate comparison, Appendix A lists the comparison of the clause numbers BETWEEN this standard AND ISO 5452:1980.

Considering Chinese national conditions, this standard made revisions, when adopting ISO 5452:1980. These technical differences are marked with a single vertical line, in the margins of the terms they refer to. Appendix B gives a list of technical differences and their reasons, for reference.

For ease of use, for ISO 5452:1980, this standard has also made the following editorial changes:

- CHANGE the term "this international standard" to "this standard";
- USE a decimal point ".", to replace the comma ",", which was originally used as a decimal point;
- DELETE the foreword of ISO 5452:1980.

This standard replaces GB/T 3649-1987 "Ferromolybdenum".

Compared with GB/T 3649-1987, the main changes of this standard are as follows:

- ADD the foreword of the standard;
- ADD the normative references;
- REDUCE the 9 designations of the original standard to 6 designations;
- ADJUST the content of molybdenum, carbon, sulfur, copper;
- ADD a packaging method;
- ADD Appendix A, Appendix B, Appendix C, Appendix D.

Appendix A, Appendix B, Appendix C, Appendix D of this standard are informative annexes.

This standard was proposed by the China Iron and Steel Industry Association.

This standard shall be under the jurisdiction of the National Pig Iron and Ferroalloy Standardization Technical Committee.

Ferromolybdenum

1 Scope

This standard specifies the technical requirements, test methods, inspection rules, packaging, storage and transportation, marking and quality certificates of ferromolybdenum.

This standard applies to ferromolybdenum, which is added, as a molybdenum additive, in steelmaking, casting or alloy materials.

2 Normative references

The provisions in following documents become the provisions of this Standard through reference in this Standard. For the dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this Standard; however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 3650 The general rules for inspection packing storing transportation marking and certification of ferroalloy

GB/T 4010 Ferroalloys - Sampling and preparation of samples for chemical

analysis (GB/T 4010-1994, neq ISO 4552:1987)

GB/T 5059.1 Methods for chemical analysis of ferromolybdenum - The 8-hydroxyquinoline gravimetric method for the determination of molybdenum

GB/T 5059.2 Methods for chemical analysis of ferromolybdenum - The malachite green spectrophotometric method for the determination of antimony content

GB/T 5059.3 Methods for chemical analysis of ferromolybdenum - The atomic absorption spectrophotometric method for the determination of copper content

GB/T 5059.5 Methods for chemical analysis of ferromolybdenum - The gravimetric method for the determination of silicon content

GB/T 5059.6 Ferromolybdenum - Determination of phosphorus content - Molybdo bismuthyl phosphoric blue spectrophotometric method and the The sampling and preparation of samples, for chemical analysis of ferromolybdenum shall be in accordance with the provisions of GB/T 4010.

5.3 Quality inspection and acceptance

The quality inspection and acceptance of ferromolybdenum shall meet the requirements of GB/T 3650.

5.4 Sampling and acceptance of particle size

The sampling and acceptance of the ferromolybdenum particle size shall be in accordance with the provisions of GB/T 13247.

6 Packaging, storage, transportation, marking and

quality certificate

6.1 Packaging

The products are packed in iron drums or bags, which has a net weight of 100 kg per drum or 1000 kg per bag. If the purchaser has special requirements for packaging, the supplier and the purchaser can negotiate separately.

6.2 Storage, transportation, marking, quality certificate

The storage, transportation, marking, quality certificate of the product shall comply with the requirements of GB/T 3650.

6.3 Other

If the purchaser has special requirements for product packaging, storage, transportation, marking, etc., it shall be carried out in accordance with the contract.

.....