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**Chromium, manganese and
ferruginous manganese ores—
Sampling, sample preparation and
determination of moisture content
and size distribution**

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Contents

	Page
Introduction.....	1
1 Scope.....	1
2 Normative references	2
3 Terms and definitions	2
4 General matters	4
4.1 Summary of sampling and sample preparation	4
4.2 Insurance of safety and preservation of working environment	6
4.3 Handling of sample	6
4.4 Values of average qualities for characteristics of lot.....	7
4.5 Rounding off of numerical values	7
4.6 Other matters	8
5 Sampling methods	8
5.1 Fundamental matters	8
5.2 Overall precision (β_{SDM})	8
5.3 Classification of magnitude of quality variations	10
5.4 Minimum mass of increment	10
5.5 Number of increments	11
5.6 Sampling methods of increments	14
5.7 Manual sampling methods	15
5.8 Mechanical sampling method	17
5.9 Instruments and equipment for sampling and sample preparation	19
6 Sample preparation methods	22
6.1 Preparation of sample.....	22
6.2 Precision of reduction	23
6.3 Arranging method of sample	23
6.4 Crushing of samples.....	26
6.5 Type of reduction	26
6.6 Methods of reduction	27
6.7 Preparation of moisture content test sample	34
6.8 Preparation of particle size test sample	34
6.9 Preparation of composition test sample	35
7 Moisture content determination.....	35
7.1 Summary.....	35
7.2 Measurement precision of moisture content	35
7.3 Sample.....	35
7.4 Apparatus	35

7.5	Operation	36
7.6	Calculation	36
7.7	Tolerance	37
7.8	Representation of results	37
8	Particle size determination method	38
8.1	Summary	38
8.2	Measurement precision of particle size	38
8.3	Sample	38
8.4	Apparatus	39
8.5	Operation	40
8.6	Calculation	41
8.7	Representation of results	42
Annex A (normative)	Experimental method of quality variation investigation and estimating method of sampling precision	43
Annex B (normative)	Experiment for checking sample reduction precision	56
Annex C (normative)	Experimental methods for checking biases of sampling and sample preparation	61
Annex D (normative)	Experimental methods for checking precision for moisture content determination	70
Annex E (normative)	Theoretical formula for obtaining number of increments	75
Annex F (normative)	Method of moisture content determination of a lot sprinkled with water or exposed to precipitation	78
Annex JA (informative)	Method of hatch sampling	81
Annex JB (informative)	Comparison table between JIS and corresponding International Standards	83

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Ferroalloy Association (JFA)/ Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS M 8108**: 1992 is replaced with this Standard.

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Chromium, manganese and ferruginous manganese ores—Sampling, sample preparation and determination of moisture content and size distribution

Introduction

This Japanese Industrial Standard has been prepared based on ISO 4296-1:1984, ISO 4296-2:1983, ISO 4299:1989, ISO 6153:1989, ISO 6154:1989, ISO 6230:1989, ISO 8530:1986, ISO 8531:1986, ISO 8541:1986 and ISO 8542:1986 with some modifications of the technical contents.

For Annexes of this Standard, Annex A is prepared based on ISO 8542, Annex B on ISO 8530, Annex C on ISO 8541, Annex D on ISO 8531, Annex E on a part of ISO 6153 and a part of ISO 4296-1 and Annex F on ISO 4299 Annex B. The portions given sidelines or dotted underlines and Annex JA are the matters in which the contents of the corresponding International Standards have been modified. A list of modifications with the explanations is given in Annex JB.

1 Scope

This Standard specifies the sampling method, sample preparation method, moisture determination method, and particle size determination method to determine the average qualities of chromium ores, manganese ores and ferruginous manganese ores (hereafter referred to as “ores”) of one lot.

NOTE : The International Standards corresponding to this Standard are as follows.

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 6153:1989 *Chromium ores—Increment sampling*

ISO 6154:1989 *Chromium ores—Preparation of samples*

ISO 6230:1989 *Manganese ores—Determination of size distribution by sieving*

ISO 8530:1986 *Manganese and chromium ores—Experimental methods for checking the precision of sample division*

ISO 8531:1986 *Manganese and chromium ores—Experimental methods for checking the precision of moisture determination*

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*

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