

JIS

JAPANESE INDUSTRIAL STANDARD

Iron(III) Oxide for Ferrite

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JAPANESE INDUSTRIAL STANDARD

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Iron (III) Oxide for Ferrite

K 1462-1981
(Reaffirmed: 1986)1. Scope

This Japanese Industrial Standard specifies the iron (III) oxide for ferrite.

Remark: The units and numerical values given in { } in this standard are in accordance with the International System of Units (SI), and are appended for reference.

2. Classification

The iron (III) oxide for ferrite shall be classified into the following three classes according to the contents of main components and other components.

- (1) Class 1
- (2) Class 2
- (3) Class 3

3. Quality

The iron (III) oxide for ferrite shall be tested in accordance with 5. and shall conform to the requirements given in following Table.

Table

Classification Components	Class 1	Class 2	Class 3
Iron (III) oxide (Fe_2O_3) %	99.0 min.	98.8 min.	98.5 min.
Loss on drying %	0.30 max.	0.30 max.	0.30 max.
Silicon dioxide (SiO_2) %	0.01 max.	0.06 max.	0.30 max.
Aluminium (Al) %	0.02 max.	0.02 max.	0.05 max.
Manganese (Mn) %	0.30 max.	0.30 max.	0.30 max.
Calcium (Ca) %	0.01 max.	0.02 max.	0.04 max.
Sulfate ion (SO_4^{2-}) %	—	0.20 max.	0.30 max.
Chloride ion (Cl^-) %	—	0.15 max.	0.15 max.

Applicable Standards: See pages 38 and 39.