

भारतीय मानक ब्यूरो

DRAFT FOR WIDE CIRCULATION

(Not to be reproduced without permission of BIS or used as an Indian Standard)

DRAFT AMENDMENT NO. 1

TO

IS 4409 : 2023 FERRONICKEL — SPECIFICATION

(Second Revision)

ICS 77.100

Ferro Alloys Sectional Committee,
MTD 05Last date of comment:
7 September 2025

(Page 1, clause 3.1) — Insert the following after 3.1 and renumber the subsequent clause.

‘3.2 Ferro Nickel with Ni<15% — Ferro Nickel with Ni<15% is a master alloy of iron and nickel with a minimum nickel content of 5.0 percent by mass and a maximum nickel content of 15.0 percent by mass, and not covered under IS 13502 : 2023 “Pig Iron – Specification.”’

(Page 1, clause 4.2) — Insert the following after 4.2.

‘4.3 The designation of Ferro Nickel with Ni<15%, shall be as agreed upon between the supplier and the purchaser.’

(Page 1, clause 7.1) — Insert the following after 7.1:

‘The chemical composition of Ferro Nickel with Ni<15% shall conform to the limits given in Table 3.’

(Page 2, clause 7, Table 2) — Insert the following new Table 3 after Table 2:

Table 3 Chemical Composition of Ferro Nickel with Ni<15%

Sl No.	Elements	From (included)	To (not included)
i)	Ni	5	15
ii)	C	—	4.00
iii)	Si	—	5.00
iv)	S	—	2.00
v)	P	—	0.1

(Page 2, clause 7, Table 2, Note 4) — Delete.

(Page 2, *clause 7.2*) — Insert the following new clause after **7.2**:

‘7.3 If required by the purchaser, the other elements such as arsenic, bismuth, lead, antimony and tin shall be tested over a period mutually agreed between the purchaser and the manufacturer and it shall not exceed 0.010 percent.

If specified by the purchaser, higher value of the elements may also be agreed between the purchaser and the manufacturer.’

(Page 2, *clause 11.1*, line 1) — Substitute the following for the existing:

‘11.1 The material or packaging or certificate of analysis shall be marked with the following:’

(Page 2, *clause 11.2*, line 1) — Substitute the following for the existing:

‘11.2 The material or packaging or certificate of analysis may also be marked with the standard mark.’

(MTD 05)