



Designation: A 324 – 73 (Reapproved 2004)

## Standard Specification for Ferrotitanium<sup>1</sup>

This standard is issued under the fixed designation A 324; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

### 1. Scope

1.1 This specification covers four grades of ferrotitanium, designated A, B, C, and D.

### 2. Referenced Documents

2.1 *ASTM Standards:*<sup>2</sup>

E 29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications

E 32 Practices for Sampling Ferroalloys and Steel Additives for Determination of Chemical Composition

### 3. Ordering Information

3.1 The material furnished under this specification shall be crushed to the specified size, and mixed before packaging, so that the quality in each package is uniform with the lot.

3.2 The reported percentage of titanium as obtained by chemical analysis shall be used to determine the billing of the material to the purchaser.

### 4. Chemical Composition

4.1 The various grades shall conform to the requirements as to chemical composition prescribed in Tables 1-4.

### 5. Chemical Analysis

5.1 The chemical analysis of the material shall be made in accordance with a procedure agreed upon between the manufacturer and the purchaser.

### 6. Sampling

6.1 The material shall be sampled in accordance with Practices E 32.

### 7. Inspection

7.1 The inspector representing the purchaser shall have free entry, at all times while work on the contract of the purchaser is being performed, to all parts of the manufacturer's works that concern the sampling, packaging, and shipping of material ordered. The manufacturer shall afford the inspector all reasonable facilities, without charge, to satisfy him that the material is being furnished in accordance with this specification.

7.2 If the purchaser so elects, the material may be sampled by him at the destination, in which case at least 10 % of the shipment shall be sampled.

### 8. Rejection

8.1 Any claims or rejections based on check analysis shall be made to the manufacturer within 45 days from receipt of material by the purchaser.

### 9. Packaging

9.1 Ferrotitanium shall be packaged in sound containers in such manner that none of the metal is lost in shipment.

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee A01 on Steel, Stainless Steel, and Related Alloys and is the direct responsibility of Subcommittee A01.18 on Castings.

Current edition approved Oct. 1, 2004. Published October 2004. Originally approved in 1949. Last previous edition approved in 2000 as A 324 – 73 (2000).

<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.