ISO/~~DIS~~FDIS 7692~~:2024(en)~~

~~Date: 2024-06~~

ISO/TC 132~~/WG 4~~

Secretariat: SAC

Date: 2024-09-27

Ferrotitanium — Determination of titanium content — Titrimetric method

Ferro-titane — Dosage du titane — Méthode titrimétrique

FDIS stage

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Foreword

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This document was prepared by Technical Committee ISO/TC 132, *Ferroalloys*.

This second edition cancels and replaces the first edition (ISO 7692:1983), which has been technically revised.

The main changes are as follows:

— in 5.5 (previously in 4.6), hydrofluoric acid has been replaced with fluoboric acid;

— in 5.13 (previously in 4.17), the concentration of titanium standard solution has been changed;

— in 5.13.1 (previously in 4.17.1), the amount of titanium(IV) dioxide has been reduced and the decomposition of titanium(IV) dioxide has been changed;

— in 5.13.2 (previously in 4.17.2), potassium hexafluorotitanate has been replaced with a titanium sponge and the preparation has been changed;

— in Clause 6 (previously in Clause 5), PTE beakers has been replaced with conical flask;

— in Clause 7 (previously in Clause 6), the mesh size of the sieve has been changed;

— the paragraph of the definition of test portion has been changed in 8.1 and the amount of test portion in 8.1 (previously 7.1) has been reduced from 1,0 g to 0,50 g;

— in 8.2.1, (previously in 7.4.1), the method using titanium sponge has been removed;

— in 8.3.1 (previously 7.5.1), the amount of acids has been reduced;

— in 8.3.4 (previously 7.5.3.2), the amount of the aluminium has been reduced from 4,0 g to 3,0 g ± 0,2 g;

— in Clause 9 (previously in Clause 8), the expression of results has been changed;

— in Clause 10, the precision has been added;

— in Clause 11 (previously in Clause 9), the test report has been changed;

— Annex A has been added;

— Annex B has been added;

— Annex C has been added.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

~~This second edition cancels and replaces the first edition (ISO 7692:1983), which has been technically revised.~~

~~The main changes are as follows:~~

~~— in 5.5 (previously in 4.6), the hydrofluoric acid has been replaced with the fluoboric acid;~~

~~— in 5.13 (previously in 4.17), the concentration of titanium standard solution has been changed;~~

~~—in 5.13.1 (previously in 4.17.1), the amount of titanium(IV) dioxide has been reduced, the decomposition of titanium(IV) dioxide have been changed;~~

~~— in 5.13.2 (previously in 4.17.2), the potassium hexafluorotitanate has been replaced with titanium sponge , and the preparation has been changed;~~

~~— in Clause 6(previously in Clause 5), the PTE beakers has been replaced with the conical flask;~~

~~— in Clause 7(previously in Clause 6), the mesh size of the sieve has been changed;~~

~~— in Clause 8, the paragraph of the definition of test portion has been changed in 8.1 and the amount of test portion in 8.1 (previously 7.1) has been reduced from 1,0 g to 0,50 g;~~

~~— (previously in 7.4.1), the method using titanium sponge has been removed;~~

~~— in 8.3.1 (previously 7.5.1), the amount of acids has been reduced;~~

~~— in 8.3.4 (previously 7.5.3.2), the amount of the aluminium has been reduced from 4,0 g to 3,0 g ± 0,2 g;~~

~~— in Clause 9(previously in Clause 8), the expression of results has been changed;~~

~~— in Clause 10, the precision has been added;~~

~~— in Clause 11(previously in Clause 9), the test report has been changed;~~

~~— Annex A, "Original data of the verification test" has been added;~~

~~— Annex B, "Graphical representation of the precision date" has been added.~~

~~— Annex C, "Flow chart for the acceptance procedure of test results" has been added.~~

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