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Ferrotitanium — Determination of titanium content — Titrimetric method

<u>Ferro-titane — Dosage du titane — Méthode titrimétrique</u>

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Foreword

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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 <u>Clause 6 (previously in Clause 5)</u>, PTE beakers has been replaced with conical flask;
- in <u>Clause 7</u> (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 $3,0 \text{ g} \pm 0,2 \text{ g}$:
- in Clause 9 (previously in Clause 8), the expression of results has been changed;
- in Clause 10, the precision has been added;
- in <u>Clause 11</u> (previously in Clause 9), the test report has been changed:
- <u>Annex A has been added;</u>
- Annex B has been added;
- <u>— Annex C has been added.</u>

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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;

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- 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 \pm 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.

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

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