SLOVENSKI STANDARD
SIST EN ISO 4937:2025

01-februar-2025

Jeklo in železo - Določevanje kroma - Potenciometrična ali vizualna titracijska metoda (ISO 4937:2024)

Steel and iron - Determination of chromium content - Potentiometric or visual titration method (ISO 4937:2024)

Stahl und Eisen - Bestimmung des Chromgehalts - Potentiometrische oder visuelle Titrationsmethode (ISO 4937:2024)

Aciers et fontes - Détermination du chrome - Méthode par titrage potentiométrique ou visuel (ISO 4937:2024)

Ta slovenski standard je istoveten z: **EN ISO 4937:2024**

ICS:

77.040.30	Kemijska analiza kovin	Chemical analysis of metals
77.080.01	Železne kovine na splošno	Ferrous metals in general

SIST EN ISO 4937:2025 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 4937

December 2024

ICS 77.080.01

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English Version

Steel and iron - Determination of chromium content - Potentiometric or visual titration method (ISO 4937:2024)

Aciers et fontes - Détermination du chrome - Méthode par titrage potentiométrique ou visuel (ISO 4937:2024)

Stahl und Eisen - Bestimmung des Chromgehalts - Potentiometrische oder visuelle Titrationsmethode (ISO 4937:2024)

This European Standard was approved by CEN on 1 December 2024.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN ISO 4937:2024) has been prepared by Technical Committee ISO/TC 17 "Steel" in collaboration with Technical Committee CEN/TC 459/SC 2 “Methods of chemical analysis for iron and steel” the secretariat of which is held by SIS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2025, and conflicting national standards shall be withdrawn at the latest by June 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 4937:2024 has been approved by CEN as EN ISO 4937:2024 without any modification.

International Standard

ISO 4937

Steel and iron — Determination of chromium content — Potentiometric or visual titration method

Aciers et fontes — Détermination du chrome — Méthode par titrage potentiométrique ou visuel

Second edition
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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 1, *Methods of determination of chemical composition*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 459/SC 2, *Methods of chemical analysis for iron and steel*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 4937:1986), which has been technically revised.

The main changes are as follows:

— introduction of an optional electrode;

— re-assessment of the precision data;

— re-confirmation of upper limit of vanadium content in test portions for visual titration.

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.