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STN	**Oceľ a železo Stanovenie obsahu fosforu Fosfovanádomolybdénanová spektrofotometrická metóda (ISO 10714: 2024)**	**STN EN ISO 10714 42 0513**

Steel and iron - Determination of phosphorus content - Phosphovanadomolybdate spectrophotometric method (ISO 10714:2024)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/24

Obsahuje: EN ISO 10714:2024, ISO 10714:2024

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

EN ISO 10714

July 2024

ICS

Supersedes EN ISO 10714:2002

English Version

Steel and iron - Determination of phosphorus content - Phosphovanadomolybdate spectrophotometric method (ISO 10714:2024)

Aciers et fontes - Détermination des teneurs en phosphore - Méthode spectrophotométrique au phosphomolybdovanadate (ISO 10714:2024)

Stahl und Eisen - Bestimmung des Phosphorgehaltes - Spektrophotometrisches Phosphovanadomolybdat-Verfahren (ISO 10714:2024)

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Ref. No. EN ISO 10714:2024 E

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European foreword

This document (EN ISO 10714:2024) 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of an identical text or by endorsement, at the latest by January 2025, and conflicting national standards shall be withdrawn at the latest by January 2025.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 10714:2024 has been approved by CEN as EN ISO 10714:2024 without any modification.

International Standard

ISO 10714

Steel and iron — Determination of phosphorus content — Phosphovanadomolybdate spectrophotometric method

Aciers et fontes — Détermination des teneurs en phosphore — Méthode spectrophotométrique au phosphomolybdovanadate

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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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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, *ECISS - European Committee for Iron and Steel Standardization,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 10714:1992), which has been technically revised.

The main changes are as follows:

— a complete revaluation of the precision data.

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.

International Standard **ISO 10714:2024(en)**

Steel and iron — Determination of phosphorus content — Phosphovanadomolybdate spectrophotometric method

1 Scope

This document specifies a spectrophotometric method for the determination of phosphorus in steel and cast iron.

The method is applicable to phosphorus contents between 0,001 0 % (mass fraction) and 1,0 % (mass fraction).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 648, *Laboratory glassware — Single-volume pipettes*

ISO 1042, *Laboratory glassware — One-mark volumetric flasks*

ISO 3696, *Water for analytical laboratory use — Specification and test methods*

ISO 14284, *Steel and iron — Sampling and preparation of samples for the determination of chemical composition*