ICS 77.080.01 SLOVENSKÁ TECHNICKÁ NORMA Júl 2022

STN	**Oceľ** **Stanovenie obsahu vanádu** **Metóda plameňovej atómovej absorpčnej spektrometrie (FAAS) (ISO 9647: 2020)**	**STN** **EN ISO 9647** 42 0583

Steel - Determination of vanadium content - Flame atomic absorption spectrometric method (FAAS) (ISO 9647:2020)

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. 06/22

Obsahuje: EN ISO 9647:2022, ISO 9647:2020

Oznámením tejto normy sa ruší
STN ISO 9647 (42 0519) zo septembra 1993

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 9647

March 2022

ICS 77.080.01

English Version

Steel - Determination of vanadium content - Flame atomic absorption spectrometric method (FAAS) (ISO 9647:2020)

Aciers - Détermination des teneurs en vanadium - Méthode par spectrométrie d'absorption atomique dans la flamme (SAAF) (ISO 9647:2020)

Stahl - Bestimmung des Vanadiumgehaltes - Flammen-Atomextinktionsspektrometrisches Verfahren (FAAS) (ISO 9647:2020)

This European Standard was approved by CEN on 20 March 2022.

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European foreword

The text of ISO 9647:2020 has been prepared by Technical Committee ISO/TC 17 "Steel" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 9647:2022 by 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of an identical text or by endorsement, at the latest by September 2022, and conflicting national standards shall be withdrawn at the latest by September 2022.

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Endorsement notice

The text of ISO 9647:2020 has been approved by CEN as EN ISO 9647:2022 without any modification.

INTERNATIONAL STANDARD

ISO 9647

Second edition
2020-02

Steel — Determination of vanadium content — Flame atomic absorption spectrometric method (FAAS)

Aciers — Détermination des teneurs en vanadium — Méthode par spectrométrie d'absorption atomique dans la flamme (SAAF)

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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 documents 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*.

This second edition cancels and replaces the first edition (ISO 9647:1989), which has been technically revised. The main changes compared to the previous edition are as follows:

— a complete revaluation of the precision data;

— amendment of the field of application.

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 9647:2020(E)**

Steel — Determination of vanadium content — Flame atomic absorption spectrometric method (FAAS)

1 Scope

This document specifies a flame atomic absorption spectrometric method (FAAS) for the determination of the vanadium content in steel.

The method is applicable to vanadium contents between 0,01 % (mass fraction) and 0,80 % (mass fraction), provided that the tungsten content in a 1,0 g test portion is not higher than 1,0 % and/or the titanium content is not higher than 0,5 %.

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*

