

STN	Skúšanie keramických materiálov Stanovenie síry v neoxidických keramických surovinách a keramických materiáloch Časť 1: Metódy merania v infračervenom spektre (ISO 14720-1: 2026)	STN EN ISO 14720-1 72 1075
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Testing of ceramic materials - Determination of sulfur in non-oxidic ceramic raw materials and ceramic materials - Part 1:
Infrared measurement methods (ISO 14720-1:2026)

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. 05/26

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English Version

**Testing of ceramic materials - Determination of sulfur in
non-oxidic ceramic raw materials and ceramic materials -
Part 1: Infrared measurement methods (ISO 14720-
1:2026)**

Analyse des matériaux céramiques - Dosage du soufre
dans les produits et les matières premières céramiques
non oxydés - Partie 1: Méthodes d'essai par infrarouge
(ISO 14720-1:2026)

Prüfung keramischer Werkstoffe - Bestimmung des
Schwefelgehaltes in nichtoxidischen keramischen Roh-
und Werkstoffen - Teil 1: Infrarotmessverfahren (ISO
14720-1:2026)

This European Standard was approved by CEN on 28 February 2026.

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COMITÉ EUROPÉEN DE NORMALISATION
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EN ISO 14720-1:2026 (E)

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European foreword

This document (EN ISO 14720-1:2026) has been prepared by Technical Committee ISO/TC 33 "Refractories" in collaboration with Technical Committee CEN/TC 187 "Refractory products and materials" the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by September 2026, and conflicting national standards shall be withdrawn at the latest by September 2026.

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.

This document supersedes EN ISO 14720-1:2013.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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Endorsement notice

The text of ISO 14720-1:2026 has been approved by CEN as EN ISO 14720-1:2026 without any modification.



International Standard

ISO 14720-1

Testing of ceramic materials — Determination of sulfur in non- oxidic ceramic raw materials and ceramic materials —

Part 1: Infrared measurement methods

*Analyse des matériaux céramiques — Dosage du soufre dans les
produits et les matières premières céramiques non oxydes —*

Partie 1: Méthodes d'essai par infrarouge

Second edition 2026-03

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ISO 14720-1:2026(en)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 33, *Refractories*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 187, *Refractory products and materials*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 14720-1:2013), which has been technically revised.

The main changes are as follows:

- title of this document has been revised to better describe its field of application;
- [Clause 1](#) adapted to the new title;
- [Clauses 2](#) and [3](#) added, noting that neither add any normative references or terms and definitions to the document;
- ultraviolet absorption cell was added to [Clause 4](#) and [5.1](#);
- resistance furnace removed from [5.1](#);
- storage of pre-cleaned crucibles in a desiccator added to [9.1](#);
- [subclause 9.3](#) adds more detail about the use of combustion accelerators.

A list of all parts in the ISO 14720 series can be found on the ISO website.

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.

Testing of ceramic materials — Determination of sulfur in non-oxidic ceramic raw materials and ceramic materials —

Part 1: Infrared measurement methods

1 Scope

This document specifies a method for the determination of sulfur in non-oxidic ceramic raw materials and ceramic materials, such as silicon carbides, silicon nitrides, graphites, carbon blacks, cokes, carbon powders. If demonstrated by the recovery rate, this document can also be applied for other non-metallic powdered and granular materials, e.g. silicon dioxide.

This document is applicable for materials with mass fractions of sulfur from 0,005 % to 2 %.

This document can also be applied for materials with higher mass fractions of sulfur after verification of the particular case.

2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN