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Derivatives from coal pyrolysis - Coal tar based oils: creosotes - Specifications and test methods

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. 09/24

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EUROPEAN STANDARD

EN 13991

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 71.100.50; 75.140

Supersedes EN 13991:2003

English Version

Derivatives from coal pyrolysis - Coal tar based oils: creosotes - Specifications and test methods

Produits dérivés de la pyrolyse du charbon - Huiles de
goudron de houille: créosotes - Spécifications et
méthodes d'essai

Derivate der Kohlenpyrolyse - Öle aus Steinkohlenteer:
Kreosot - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 3 June 2024.

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

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EN 13991:2024 (E)

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European foreword

This document (EN 13991:2024) has been prepared by Technical Committee CEN/TC 317 “Derivatives from coal pyrolysis”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by January 2025, and conflicting national standards shall be withdrawn at the latest by January 2025.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.

This document supersedes EN 13991:2003.

EN 13991:2024 includes the following significant technical changes with respect to EN 13991:2003:

- a revision is required due to legal changes to the marketing of Creosote in Europe. According to Regulation 1907/2006/EC (Annex XVII, Entry 31, Restrictions), only Creosote Grades with a benzo[a]pyrene content below 50 mg/kg are allowed to be placed on the EU market. This means that former Creosote Grade A with a benzo[a]pyrene content up to 500 mg/kg is no longer allowed and has therefore been deleted from the standard;
- additional restrictions by Commission Implementing Regulation (EU) 2022/1950 related to use and storage have been taken into account;
- test methods originating from BS 144 have been integrated as informative Annex D due to withdrawal of BS 144;
- normative references and bibliography have been updated.

Annexes A and B are normative. Annexes C and D are informative.

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

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 13991:2024 (E)**1 Scope**

This document specifies the requirements and the test methods for creosotes for industrial wood preservation.

Different grades of creosote are used depending on the desired properties of the treated wood.

WARNING — The use of this document can involve hazardous materials, operations and equipment. This document cannot address all of the safety implications associated with its use. It is the responsibility of the user of this document to establish appropriate health and safety practices and assess the applicability of regulatory limitations prior to use. The warnings to use are covered in Annex C.

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.

EN 1014-1, *Wood preservatives — Creosote and creosoted timber — Methods of sampling and analysis — Part 1: Procedure for sampling creosote*

EN 1014-3, *Wood preservatives — Creosote and creosoted timber — Methods of sampling and analysis — Part 3: Determination of the benzo[a]pyrene content of creosote*

EN 1014-4, *Wood preservatives — Creosote and creosoted timber — Methods of sampling and analysis — Part 4: Determination of the water-extractable phenols content of creosote*

EN 15529, *Derivatives from coal pyrolysis - Terminology*

EN ISO 2719, *Determination of flash point - Pensky-Martens closed cup method (ISO 2719)*

ISO 760, *Determination of water — Karl Fischer method (General method)*

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