



SLOVENSKI STANDARD

SIST EN ISO 150:2019

01-marec-2019

Nadomešča:
SIST EN ISO 150:2007

Surova, rafinirana in kuhana olja iz lanenih semen za barve in lake - Specifikacije in preskusne metode (ISO 150:2018)

Raw, refined and boiled linseed oil for paints and varnishes - Specifications and methods of test (ISO 150:2018)

Rohleinöl, Lackleinöl und Leinölfirnis für Beschichtungsstoffe - Anforderungen und Prüfung (ISO 150:2018)

Huiles de lin brutes, raffinées et cuites pour peintures et vernis - Spécifications et méthodes d'essai (ISO 150:2018)

Ta slovenski standard je istoveten z: EN ISO 150:2018

ICS:

87.060.99	Druge sestavine barv	Other paint ingredients
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SIST EN ISO 150:2019

en,fr,de

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SIST EN ISO 150:2019

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 150

December 2018

ICS 87.060.20

Supersedes EN ISO 150:2007

English Version

**Raw, refined and boiled linseed oil for paints and
varnishes - Specifications and methods of test (ISO
150:2018)**

Huiles de lin brutes, raffinées et cuites, pour peintures
et vernis - Spécifications et méthodes d'essai (ISO
150:2018)

Rohleinöl, Lackleinöl und Leinölfirnis für
Beschichtungsstoffe - Anforderungen und Prüfung (ISO
150:2018)

This European Standard was approved by CEN on 11 November 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 150:2018) has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" in collaboration with Technical Committee CEN/TC 139 "Paints and varnishes" 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 June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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

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The text of ISO 150:2018 has been approved by CEN as EN ISO 150:2018 without any modification.

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INTERNATIONAL STANDARD

**ISO
150**

Third edition
2018-11

Raw, refined and boiled linseed oil for paints and varnishes — Specifications and methods of test

*Huiles de lin brutes, raffinées et cuites, pour peintures et vernis —
Spécifications et méthodes d'essai*

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Reference number
ISO 150:2018(E)

© ISO 2018

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Published in Switzerland

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ISO 150:2018(E)

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 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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 35, *Paints and varnishes*.

This third edition cancels and replaces the second edition (ISO 150:2006), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the determination of the composition of fatty acids in accordance with ISO 12966 has been specified;
- ISO 2811-3 (oscillation method) has been added for determination of density;
- the determination of drying time has been deleted;
- reference to the use of the Lovibond colour system as an alternative to the Gardner colour scale has been deleted because the visual method is too inaccurate;
- sampling in accordance with ISO 15528 has been replaced by sampling in accordance with ISO 5555;
- the preparation of samples in accordance with ISO 661 has been added;
- the standard values for the composition of fatty acids have been revised;
- the normative references in [Clause 2](#) have been updated and the text has been editorially revised.

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.

Raw, refined and boiled linseed oil for paints and varnishes — Specifications and methods of test

1 Scope

This document specifies the requirements and the corresponding methods of test for raw, refined and boiled linseed oils for paints and varnishes.

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 660, *Animal and vegetable fats and oils — Determination of acid value and acidity*

ISO 661, *Animal and vegetable fats and oils — Preparation of test sample*

ISO 835, *Laboratory glassware — Graduated pipettes*

ISO 2114, *Plastics (polyester resins) and paints and varnishes (binders) — Determination of partial acid value and total acid value*

ISO 2811-1, *Paints and varnishes — Determination of density — Part 1: Pycnometer method*

ISO 2811-3, *Paints and varnishes — Determination of density — Part 3: Oscillation method*

ISO 3681, *Binders for paints and varnishes — Determination of saponification value — Titrimetric method*

ISO 3961, *Animal and vegetable fats and oils — Determination of iodine value*

ISO 4618, *Paints and varnishes — Terms and definitions*

ISO 4630, *Clear liquids — Estimation of colour by the Gardner colour scale*

ISO 4793, *Laboratory sintered (fritted) filters — Porosity grading, classification and designation*

ISO 5555, *Animal and vegetable fats and oils — Sampling*

ISO 5661, *Petroleum products — Hydrocarbon liquids — Determination of refractive index*

ISO 6320, *Animal and vegetable fats and oils — Determination of refractive index*

ISO 8534, *Animal and vegetable fats and oils — Determination of water content — Karl Fischer method (pyridine free)*

ISO 12966 (all parts), *Animal and vegetable fats and oils — Gas chromatography of fatty acid methyl esters*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4618 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>