



SLOVENSKI STANDARD

SIST EN ISO 150:2007

01-julij-2007

Surova, rafinirana in kuhana olja iz lanenih semen za barve in lake - Specifikacije in preskusne metode (ISO 150:2006)

Raw, refined and boiled linseed oil for paints and varnishes - Specifications and methods of test (ISO 150:2006)

Rohleinöl, Lackleinöl und Leinölfirnis für Beschichtungsstoffe - Anforderungen und Prüfung (ISO 150:2006)

Huiles de lin brutes, raffinées et cuites, pour peintures et vernis - Spécifications et méthodes d'essai (ISO 150:2006)

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ICS:

87.060.99

Druge sestavine barv

Other paint ingredients

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en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 150

February 2007

ICS 87.060.20

English Version

**Raw, refined and boiled linseed oil for paints and varnishes -
Specifications and methods of test (ISO 150:2006)**

Huiles de lin brutes, raffinées et cuites, pour peintures et
vernis - Spécifications et méthodes d'essai (ISO 150:2006)

Rohleinöl, Lackleinöl und Leinölfirnis für
Beschichtungsstoffe - Anforderungen und Prüfung (ISO
150:2006)

This European Standard was approved by CEN on 21 January 2007.

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 Management Centre or to any CEN member.

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 Management Centre has the same status as the official versions.

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

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 150:2007 (E)**Foreword**

The text of ISO 150:2006 has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 150:2007 by 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 August 2007, and conflicting national standards shall be withdrawn at the latest by August 2007.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 150:2006 has been approved by CEN as EN ISO 150:2007 without any modifications.

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INTERNATIONAL STANDARD

**ISO
150**

Second edition
2006-02-15

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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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 150 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 10, *Test methods for binders for paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 150:1980), which has been technically revised.

The main changes are:

- The requirements for turbidity (clarity) have been changed.
- The maximum acid value for alkali-refined linseed oil has been changed to 1,0 mg KOH/g.
- The determination of unsaponifiable-matter content, foots, colophony (rosin), fish oil and mineral acid have been deleted because they are no longer necessary.
- The determination of volatile-matter content has been replaced by the determination of water content.
- The determination of ash has been deleted because it is not required very often.
- Standard values for the composition of fatty acids of raw linseed oil have been added (see Annex A).

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

1 Scope

This International Standard 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 referenced documents are indispensable for the application 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 835-1, *Laboratory glassware — Graduated pipettes — Part 1: General requirements*

ISO 1517:1973, *Paints and varnishes — Surface-drying test — Ballotini method*

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: Pyknometer 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 4630-1, *Clear liquids — Estimation of colour by the Gardner colour scale — Part 1: Visual method*

ISO 4630-2, *Clear liquids — Estimation of colour by the Gardner colour scale — Part 2: Spectrophotometric method*

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

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

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

ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

raw linseed oil

oil obtained solely from mature seeds of linseed (*Linum usitatissimum* L.)

3.2

acid-refined linseed oil

oil obtained by refining raw linseed oil with acid