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Paints and varnishes — Examination and preparation of test samples

*Peintures et vernis — Examen et préparation des échantillons pour
essai*



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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
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Foreword

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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 1513 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

This fourth edition cancels and replaces the third edition (ISO 1513:1992), which has been technically revised. It also incorporates the Technical Corrigendum ISO 1513:1992/Cor.1:1994. The main technical changes are:

- a) the title has been changed to "Examination and preparation of test samples";
- b) the normative references have been updated;
- c) a definitions clause with definitions of thixotropy and homogenization has been added;
- d) the examination and mixing procedures for liquid and paste-like products have been combined into a single clause (Clause 5);
- e) the type of sieve to be used for straining the sample is no longer specified.

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Paints and varnishes — Examination and preparation of test samples

1 Scope

This International Standard specifies both the procedure for preliminary examination of a single sample, as received for testing, and the procedure for preparing a test sample by blending and reduction of a series of samples representative of a consignment or bulk of paint, varnish or related product.

NOTE The samples of the product to be tested are assumed to conform to ISO 15528.

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 4618, *Paints and varnishes — Terms and definitions*

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

3 Terms and definitions

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

3.1 thixotropy

decrease in the apparent viscosity of a liquid under shear stress followed by a gradual recovery when the stress is removed

NOTE The effect is time-dependent.

3.2 homogenization

process of combining components, particles or layers of the original samples (in the case of composite samples) or of pre-treated fractions of samples into a more homogeneous state in order to ensure equal distribution of the substances in, and properties of, the sample

4 Sample container

4.1 Condition of container

Record any defects in the sample container and any visible leakage. If it is possible that the contents have been affected, the sample shall be rejected.