

**Clear liquids - Estimation of colour by the
platinum-cobalt scale - Part 2:
Spectrophotometric method**

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 6271-2:2005 sisaldab Euroopa standardi EN ISO 6271-2:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 25.01.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 6271-2:2005 consists of the English text of the European standard EN ISO 6271-2:2004.</p> <p>This document is endorsed on 25.01.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This part of ISO 6271 specifies a spectrophotometric method for estimating the colour, in Pt-Co units, of clear liquids. It is applicable to clear liquids having a colour characteristic similar to those of the reference platinumcobalt scale specified in ISO 6271-1. The method described provides a more precise way of measuring Pt-Co colour than that described in ISO 6271-1.</p>	<p>Scope:</p> <p>This part of ISO 6271 specifies a spectrophotometric method for estimating the colour, in Pt-Co units, of clear liquids. It is applicable to clear liquids having a colour characteristic similar to those of the reference platinumcobalt scale specified in ISO 6271-1. The method described provides a more precise way of measuring Pt-Co colour than that described in ISO 6271-1.</p>
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Võtmesõnad:

English version

Clear liquids

Estimation of colour by the platinum-cobalt scale

Part 2: Spectrophotometric method

(ISO 6271-2:2004)

Liquides claires – Évaluation de la couleur au moyen de l'échelle platine-cobalt – Partie 2: Méthode spectrophotométrique (ISO 6271-2:2004)

Klare Flüssigkeiten – Bestimmung der Farbe nach der Platin-Cobalt-Skala – Teil 2: Spektralphotometrisches Verfahren (ISO 6271-2:2004)

This European Standard was approved by CEN on 2004-11-14.

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European Committee for Standardization

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Europäisches Komitee für Normung

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

Foreword

International Standard

ISO 6271-2:2004 Clear liquids – Estimation of colour by the platinum-cobalt scale – Part 2: Spectrophotometric method,

which was prepared by ISO/TC 35 'Paints and varnishes' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 139 'Paints and varnishes', the Secretariat of which is held by DIN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by May 2005 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

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

Endorsement notice

The text of the International Standard ISO 6271-2:2004 was approved by CEN as a European Standard without any modification.

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1 Scope

This part of ISO 6271 specifies a spectrophotometric method for estimating the colour, in Pt-Co units, of clear liquids. It is applicable to clear liquids having a colour characteristic similar to those of the reference platinum-cobalt scale specified in ISO 6271-1.

The method described provides a more precise way of measuring Pt-Co colour than that described in ISO 6271-1.

NOTE The term "platinum-cobalt colour (Pt-Co colour)" used here is preferred over the terms "Hazen colour" and "APHA colour".

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 6271-1, *Clear liquids — Estimation of colour by the platinum-cobalt scale — Part 1: Visual method*

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

CIE Publication No. 15.2, *Colorimetry*

3 Principle

The colour of a liquid sample is measured using an instrument capable of measuring transmitted colour and reporting in Pt-Co colours or in a colour system that can be converted into Pt-Co colours.

4 Apparatus and materials

4.1 Colour-measuring instrument, capable of measuring transmitted colour ($0^\circ/180^\circ$ geometry) and reporting the results in the platinum-cobalt colour scale described in ISO 6271-1. If such an instrument is not available, one may be used which is capable of measuring transmitted colour and reporting in tristimulus values or chromaticity coordinates using standard illuminant C and the 2° observer, described in CIE Publication No. 15.2.

4.2 Glass absorption cells, 50 mm path length, unless a different path length is specified by the instrument manufacturer.