

This is a preview of "ISO 17895:2005". [Click here to purchase the full version from the ANSI store.](#)

First edition  
2005-03-15

---

---

## **Paints and varnishes — Determination of the volatile organic compound content of low-VOC emulsion paints (in-can VOC)**

*Peintures et vernis — Détermination du contenu en composés organiques volatiles dans des peintures en émulsion à faible teneur en COV (COV en récipient)*



Reference number  
ISO 17895:2005(E)

© ISO 2005

This is a preview of "ISO 17895:2005". [Click here to purchase the full version from the ANSI store.](#)

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO 2005

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

This is a preview of "ISO 17895:2005". [Click here to purchase the full version from the ANSI store.](#)

## Contents

Page

<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Principle</b> .....	<b>2</b>
<b>5 Apparatus</b> .....	<b>3</b>
<b>6 Reagents and materials</b> .....	<b>3</b>
<b>7 Sampling</b> .....	<b>4</b>
<b>8 Procedure</b> .....	<b>4</b>
<b>9 Evaluation</b> .....	<b>7</b>
<b>10 Precision</b> .....	<b>8</b>
<b>11 Test report</b> .....	<b>9</b>
<b>Annex A (informative) Gas chromatogram of the reference compound mixture and tetradecane</b> .....	<b>10</b>
<b>Bibliography</b> .....	<b>11</b>

This is a preview of "ISO 17895:2005". [Click here to purchase the full version from the ANSI store.](#)

## 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 17895 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*.

This is a preview of "ISO 17895:2005". [Click here to purchase the full version from the ANSI store.](#)

## Introduction

The requirements imposed today by authorities, for health and environmental reasons, include the assessment of the content of residual monomers and organic saturated volatiles, sometimes down to minute traces.

This International Standard is one of a series of standards dealing with the VOC content of paints, varnishes and related products: ISO 11890-1 (see the Bibliography) specifies a method for determining VOC contents greater than 15 % (by mass), ISO 11890-2 is applicable to VOC contents between 0,1 % and 15 % (by mass).

This International Standard describes a method for determining VOC contents between 0,01 % and 0,1 % (by mass). In contrast to ISO 11890-1 and ISO 11890-2, this standard is applicable to volatile organic compounds with boiling points up to 250 °C.