

Paints and varnishes — Determination of volatile organic compound (VOC) content

**Part 1: Difference method (ISO
11890-1:2007)**

ICS 87.040

National foreword

This British Standard is the UK implementation of EN ISO 11890-1:2007. It is identical to . It supersedes BS EN ISO 11890-1:2001 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee STI/10, Test methods for paints.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 October 2008
© BSI 2008

ISBN 978 0 580 55941 9

Amendments/corrigenda issued since publication

Date	Comments

English Version

Paints and varnishes - Determination of volatile organic
compound (VOC) content - Part 1: Difference method (ISO
11890-1:2007)

Peintures et vernis - Détermination de la teneur en
composés organiques volatils (COV) - Partie 1: Méthode
par différence (ISO 11890-1:2007)

Beschichtungsstoffe - Bestimmung des Gehaltes an
flüchtigen organischen Verbindungen (VOC-Gehalt) - Teil
1: Differenzverfahren (ISO 11890-1:2007)

This European Standard was approved by CEN on 30 June 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.



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

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

Contents

Page

Foreword.....	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions.....	2
4 Principle	2
5 Required supplementary information.....	3
6 Sampling	3
7 Procedure	3
8 Calculation.....	4
9 Expression of results	5
10 Precision.....	6
11 Test report	7
Annex A (normative) Required supplementary information.....	8
Bibliography	9

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 11890-1 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 11890-1:2000), which has been technically revised. The main change is that, in order to allow the method to be used for multi-component systems as well as single-component systems, the test portion preparation procedures for the determination of the non-volatile-matter content of each of these two types of system has been included in Subclause 7.4.

ISO 11890 consists of the following parts, under the general title *Paints and varnishes — Determination of volatile organic compound (VOC) content*:

- *Part 1: Difference method*
- *Part 2: Gas-chromatographic method*