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IRISH STANDARD

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ICS 83.180

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ADHESIVES - DETERMINATION OF PH - TEST METHOD

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Descriptors: adhesives, measurements, pH, electrometric analysis, pH-metry

English version

Adhesives - Determination of pH - Test method

Adhésifs - Détermination du pH - Méthode d'essai

Klebstoffe - Bestimmung des pH - Prüfverfahren

This European Standard was approved by CEN on 25 September 1998.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 193 "Adhesives", the secretariat of which is held by AENOR.

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of an identical text or by endorsement, at the latest by April 1999, and conflicting national standards shall be withdrawn at the latest by April 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This European Standard specifies a method for the determination by electrometry of the pH of adhesives, their basic constituents and related products using a pH meter equipped with a glass and silver reference combined electrode.

This standard is applicable to products supplied in an aqueous medium, and of known concentration, and to products which can be dissolved, dispersed or suspended in water. It is not applicable to adhesives that react with water.

NOTE: The accuracy of the method decreases at pH values above 11.

2 Normative References

This European Standard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 923 Adhesives - Terms and definitions

EN 1066 Adhesives - Sampling

EN 1067 Adhesives - Examination and preparation of samples for testing

EN ISO 3696 Water for analytical laboratory use - Specifications and test methods

3 Definitions

For the purposes of this standard, the definitions in accordance with EN 923 and the following definition apply:

3.1 pH: $\log \frac{1}{[H^+]}$, where $[H^+]$ is the hydrogen ion concentration of the test sample.

4 Principle

Measurement of the potential difference existing between a glass electrode and a reference electrode immersed in the aqueous dispersion maintained at the specified test temperature, and reading of this difference expressed in pH units, directly on the pH meter scale.

5 Safety

Persons using this Standard shall be familiar with normal laboratory practice

This standard does not purport to address all the safety problems, if any associated with its use.

It is the responsibility of the user to establish health and safety practices and to ensure compliance with any European or national regulatory conditions.

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