

DIN EN 14880

**DIN**

ICS 71.100.40

Surface active agents  
**Determination of inorganic sulphate content in anionic  
surface active agents**

Potentiometric lead selective electrode titration method  
English version of DIN EN 14880

Grenzflächenaktive Stoffe – Bestimmung des Gehaltes an anorganischen Sulfaten in anionischen grenzflächenaktiven Stoffen – Potentiometrische Titration mit einer bleiselektiven Elektrode

**National foreword**

This standard has been prepared by CEN/TC 276 'Surface active agents' (Secretariat: France).

The responsible German body involved in its preparation was the *Normenausschuss Materialprüfung* (Materials Testing Standards Committee), Technical Committee NMP 562 *Analytik von Tensiden*.

The DIN Standards corresponding to the International Standards referred to in clause 2 of the EN are as follows:

EN ISO 3696	DIN ISO 3696
ISO 607	DIN ISO 607
ISO 5725-2	DIN ISO 5725-2

**National Annex NA**

(informative)

**Bibliography**

DIN ISO 607	Surface active agents and detergents – Methods of sample division (ISO 607:1980)
DIN ISO 3696	Water for analytical laboratory use – Specification and test methods (ISO 3696:1987)
DIN ISO 5725-2	Accuracy (trueness and precision) of measurement methods and results – Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method (including Technical Corrigendum 1:2002) (ISO 5725-2:1994)

Document comprises 11 pages.

ICS 71.100.40

**English version**

Surface active agents

**Determination of inorganic sulphate content in anionic  
surface active agents**

Potentiometric lead selective electrode titration method

Agents de surface – Détermination de la teneur en sulfate inorganique dans les agents de surface anioniques – Méthode potentiométrique de titrage avec électrode à membrane sélective au plomb

Grenzflächenaktive Stoffe – Bestimmung des Gehaltes an anorganischen Sulfaten in anionischen grenzflächenaktiven Stoffen – Potentiometrische Titration mit einer bleiselektiven Elektrode

This European Standard was approved by CEN on 2005-07-08.

CEN members are bound to comply with the CEN/GENELEC 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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

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

## Contents

	Page
Foreword .....	2
1 Scope .....	3
2 Normative references .....	3
3 Principle .....	3
4 Reagents .....	3
5 Apparatus .....	4
6 Sampling and preparation of the test solution .....	4
7 Procedure .....	4
8 Calculation and expression of results .....	6
9 Precision .....	6
10 Test report .....	6
Annex A (informative) Titration apparatus settings .....	7
Annex B (informative) Results of inter-laboratory test .....	9
Bibliography .....	10

## Foreword

This European Standard (EN 14880:2005) has been prepared by Technical Committee CEN/TC 276 "Surface active agents", the secretariat of which is held by AFNOR.

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 February 2006, and conflicting national standards shall be withdrawn at the latest by February 2006.

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