

**Pindaktiivsed ained. Pesemisvahendid
(detergendid). Happe mõjul hüdrolüüsuva ja
mittehüdrolüüsuva anioonaktiivse aine määramine**

Surface active agents - Detergents - Determination of
anionic-active matter hydrolyzable and non-
hydrolyzable under acid conditions

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 2870:2009 sisaldab Euroopa standardi EN ISO 2870:2009 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 27.03.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 15.02.2009.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 2870:2009 consists of the English text of the European standard EN ISO 2870:2009.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 27.03.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 15.02.2009.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

ICS 71.100.40

Võtmesõnad: anioonaktiivne aine, keemiline analüüs, koostise määramine, mahtanalüüs, pesemisvahendid (detergendid), pindaktiivsed ained

Standardite reprodutseerimis- ja levitamiseõigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonilisse süsteemi või edastamine ükskõik millises vormis või millisel teel on keelatud ilma Eesti Standardikeskuse poolt antud kirjaliku loata.

Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:
Aru 10 Tallinn 10317 Eesti; www.evs.ee; Telefon: 605 5050; E-post: info@evs.ee

English Version

Surface active agents - Detergents - Determination of anionic-active matter hydrolysable and non-hydrolysable under acid conditions (ISO 2870:2009)

Agents de surface - Détergents - Détermination de la matière active anionique hydrolysable et non hydrolysable en milieu acide (ISO 2870:2009)

Grenzflächenaktive Stoffe - Waschmittel - Bestimmung von sauer hydrolysierbaren und nicht-hydrolysierbaren anionaktiven Anteilen (ISO 2870:2009)

This European Standard was approved by CEN on 28 January 2009.

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: Avenue Marnix 17, B-1000 Brussels

Foreword

This document (EN ISO 2870:2009) has been prepared by Technical Committee CEN/TC 276 "Surface active agents", the secretariat of which is held by AFNOR, in collaboration with Technical Committee ISO/TC 91 "Surface active agents".

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 August 2009, and conflicting national standards shall be withdrawn at the latest by August 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 2870:1994.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: 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 the United Kingdom.

Contents

Page

Foreword.....	iv
1 Scope	1
2 Normative references	1
3 Principle.....	1
4 Reagents.....	2
5 Apparatus	2
6 Sampling.....	2
7 Procedure	2
7.1 Test portion and test solution	2
7.2 Determination of total anionic-active matter	3
7.3 Determination of hydrolyzable anionic-active matter	3
8 Calculation and expression of results.....	3
8.1 Calculations.....	3
8.2 Precision.....	4
9 Test report	4
Bibliography	5

Surface active agents — Detergents — Determination of anionic-active matter hydrolysable and non-hydrolysable under acid conditions

1 Scope

This International Standard specifies a method for the determination, in detergents, of anionic-active matter hydrolysable and non-hydrolysable under acid conditions.

This active matter includes alkyl sulfates and hydroxysulfates and alkylphenol and fatty alcohol ethoxysulfates.

The mean relative molecular mass of the two types of active matter must be known or previously determined, if their content is expressed as a percentage by mass. If the detergent contains any oxidizing agent, this must be destroyed before the hydrolysis.

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 607, *Surface active agents and detergents — Methods of sample division*

ISO 2271, *Surface active agents — Detergents — Determination of anionic-active matter by manual or mechanical direct two-phase titration procedure*

ISO 3696, *Water for analytical laboratory use — Specification and test methods*

EN 14480, *Surface active agents — Determination of anionic surface active agents — Potentiometric two-phase titration method*