

**Pindaktiivsed ained. Pesemisvahendid (detergendid).
Katioonaktiivse aine sisalduse määramine. Osa 1: Kõrge
molekulmassiga katioonaktiivne aine**

Surface active agents - Detergents - Determination of
cationic-active matter content - Part 1: High-molecular-mass
cationic-active matter

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 2871-1:2010 sisaldab Euroopa standardi EN ISO 2871-1:2010 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 31.03.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 15.02.2010.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 2871-1:2010 consists of the English text of the European standard EN ISO 2871-1:2010.

This standard is ratified with the order of Estonian Centre for Standardisation dated 31.03.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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English Version

Surface active agents - Detergents - Determination of cationic-active matter content - Part 1: High-molecular-mass cationic-active matter (ISO 2871-1:2010)

Agents de surface - Détergents - Détermination de la teneur en matière active cationique - Partie 1: Matière active cationique à haute masse moléculaire (ISO 2871-1:2010)

Tenside - Waschmittel - Bestimmung des Gehaltes der kationaktiven Substanz - Teil 1: Hochmolekulare kationaktive Substanz (ISO 2871-1:2010)

This European Standard was approved by CEN on 11 February 2010.

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Foreword

This document (EN ISO 2871-1:2010) has been prepared by Technical Committee ISO/TC 91 "Surface active agents" in collaboration with 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of an identical text or by endorsement, at the latest by August 2010, and conflicting national standards shall be withdrawn at the latest by August 2010.

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Endorsement notice

The text of ISO 2871-1:2010 has been approved by CEN as a EN ISO 2871-1:2010 without any modification.

Surface active agents — Detergents — Determination of cationic-active matter content —

Part 1: High-molecular-mass cationic-active matter

1 Scope

This part of ISO 2871 specifies a method for the determination of high-molecular-mass cationic-active materials such as

- a) quaternary ammonium compounds in which two of the alkyl groups each contain 10 or more carbon atoms, e.g. distearyl-dimethyl-ammonium chlorides, or
- b) salts of imidazoline or 3-methylimidazoline in which long-chain acylaminoethyl and alkyl groups are substituted in the 1- and 2-positions, respectively.

The method is applicable to solids or to aqueous solutions of the active material when the relative molecular mass of the cationic-active matter is known or when it has been previously determined if its content is expressed as a percentage by mass.

The method is not applicable if anionic surface active agents are present.

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 385, *Laboratory glassware — Burettes*

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

ISO 1042, *Laboratory glassware — One-mark volumetric flasks*

ISO 2271:1989, *Surface active agents — Detergents — Determination of anionic-active matter by manual or mechanical direct two-phase titration procedure*

3 Principle

Titration of an aliquot portion of a standard solution of sodium lauryl sulfate with a solution of the test sample, according to the direct two-phase titration procedure described in ISO 2271.