SLOVENSKI STANDARD
SIST EN ISO 14189:2017

01-junij-2017

Kakovost vode - Ugotavljanje števila Clostridium perfringens - Metoda membranske filtracije (ISO 14189:2013)

Water quality - Enumeration of Clostridium perfringens - Method using membrane filtration (ISO 14189:2013)

Wasserbeschaffenheit - Zählung von Clostridium perfringens - Verfahren mittels Membranfiltration (ISO 14189:2013)

Qualité de l'eau - Dénombrement de Clostridium perfringens - Méthode de filtration sur membrane (ISO 14189:2013)

Ta slovenski standard je istoveten z: **EN ISO 14189:2016**

ICS:

07.100.20	Mikrobiologija vode	Microbiology of water

SIST EN ISO 14189:2017 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 14189

August 2016

ICS 07.100.20

English Version

Water quality - Enumeration of Clostridium perfringens - Method using membrane filtration (ISO 14189:2013)

Qualité de l'eau - Dénombrement de Clostridium perfringens - Méthode de filtration sur membrane (ISO 14189:2013)

Wasserbeschaffenheit - Zählung von Clostridium perfringens - Verfahren mittels Membranfiltration (ISO 14189:2013)

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European foreword

The text of ISO 14189:2013 has been prepared by Technical Committee ISO/TC 147 “Water quality” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 14189:2016 by Technical Committee CEN/TC 230 “Water analysis” the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by February 2017, and conflicting national standards shall be withdrawn at the latest by February 2017.

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Endorsement notice

The text of ISO 14189:2013 has been approved by CEN as EN ISO 14189:2016 without any modification.

INTERNATIONAL STANDARD

ISO 14189

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Water quality — Enumeration of *Clostridium perfringens* — Method using membrane filtration

Qualité de l'eau — Dénombrement de Clostridium perfringens — *Méthode de filtration sur membrane*

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Foreword

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The committee responsible for this document is ISO/TC 147, *Water quality*, Subcommittee SC 4, *Microbiological methods*.

Introduction

Clostridium perfringens is widely recognized as a valuable indicator for faecal pollution. Within the intestinal tract of animals and man, these Gram-positive bacteria form spores which are resistant to heating compared with vegetative cells. *C. perfringens* in the intestine exists both as spores and vegetative cells, spores are also found in environmental samples. The spores of *C. perfringens* survive in water for months, much longer than vegetative faecal indicator bacteria and consequently their presence may indicate remote or intermittent faecal pollution. Monitoring of *C. perfringens* has proven useful for the assessment of the quality of water resources and to check the stages of water treatment to evaluate the treatment-works performance. The spores are not always inactivated by routine disinfection procedures (e.g. chlorination).