

STN	Stomatológia Analýza koncentrácie fluoridu vo vodných roztokoch pomocou použitia fluorido-iónovej selektívnej elektródy (ISO 19448: 2018)	STN EN ISO 19448 85 6385
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Dentistry - Analysis of Fluoride Concentration in Aqueous Solutions by use of Fluoride-Ion Selective Electrode (ISO 19448:2018)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/18

Obsahuje: EN ISO 19448:2018, ISO 19448:2018

126591

EUROPEAN STANDARD

EN ISO 19448

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2018

ICS 71.100.70

English Version

Dentistry - Analysis of Fluoride Concentration in Aqueous Solutions by use of Fluoride-Ion Selective Electrode (ISO 19448:2018)

Médecine bucco-dentaire - Analyse de la concentration en fluorure dans les solutions aqueuses à l'aide d'une électrode sélective d'ions fluorures (ISO 19448:2018)

Zahnheilkunde - Analyse der Fluoridkonzentration in wässrigen Lösungen mit einer fluoridionenselektiven Elektrode (ISO 19448:2018)

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EN ISO 19448:2018 (E)

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European Foreword

This document (EN ISO 19448:2018) has been prepared by Technical Committee ISO/TC 106 "Dentistry" in collaboration with Technical Committee CEN/TC 55 "Dentistry" the secretariat of which is held by DIN.

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INTERNATIONAL STANDARD

ISO 19448

First edition
2018-01

Dentistry — Analysis of fluoride concentration in aqueous solutions by use of fluoride ion-selective electrode

*Médecine bucco-dentaire — Analyse de la concentration en fluorure
dans les solutions aqueuses en utilisant une électrode sélective des
ions fluorures*



Reference number
ISO 19448:2018(E)

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Published in Switzerland

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ISO 19448:2018(E)**Foreword**

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This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 7, *Oral care products*.

Introduction

Fluoride is used in dentistry primarily for caries prevention. Fluoride is the active ingredient for caries prevention in many dental products such as dentifrices, gels, oral rinses, and fluoride releasing varnishes. The fluoride concentration in these products is an integral part of other standards where the product is intended to be analysed for fluoride content. This document provides methods based on the use of fluoride ion-selective electrode technology for the analysis of the total fluoride content in aqueous samples. The methods describe uses for fluoride ion-selective electrode technology and anticipate that the sample-specific preparations such as digestion, distillation, etc. have been described in the standards specific to product types.

Dentistry — Analysis of fluoride concentration in aqueous solutions by use of fluoride ion-selective electrode

1 Scope

This document specifies test methods for the quantification of fluoride concentrations in dental products including dentifrices, gels, oral rinses, fluoride releasing varnishes, and other fluoride containing products. The methods are based on fluoride ion-selective electrode technology for the analysis of fluoride in aqueous samples derived from dental products.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 78-2, *Chemistry — Layouts for standards — Part 2: Methods of chemical analysis*

ISO 835, *Laboratory glassware — Graduated pipettes*

ISO 1942, *Dentistry — Vocabulary*

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

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