



American National Standard/  
American Dental Association  
**Standard No. 171**

# Analysis of Fluoride Concentration in Aqueous Solutions by Use of Fluoride Ion-Selective Electrode

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Identical adoption of ISO 19448:2018, *Dentistry — Analysis of fluoride concentration in aqueous solutions by use of fluoride ion-selective electrode.*

**ADA** American  
Dental  
Association®

**Standards Committee on Dental Products**

**2019**

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**AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION  
STANDARD NO. 171 FOR ANALYSIS OF FLUORIDE CONCENTRATION IN  
AQUEOUS SOLUTIONS BY USE OF FLUORIDE ION-SELECTIVE ELECTRODE**

The ADA Standards Committee on Dental Products (SCDP) has approved ANSI/ADA Standard No. 171 for Analysis of Fluoride Concentration in Aqueous Solutions by Use of Fluoride Ion-Selective Electrode. This and other standards for dental materials, instruments and equipment are being formulated by working groups of the ADA SCDP. The Committee has representation from all interests in the United States in the standardization of materials, instruments and equipment in dentistry. The Committee has adopted the standards, showing professional recognition of their usefulness in dentistry, and has forwarded them to the American National Standards Institute with a recommendation that the standards be approved as American National Standards. The American National Standards Institute granted approval of ADA Standard No. 171 as an American National Standard on August 26, 2019.

The ADA Standards Committee on Dental Products thanks the members of Working Group 7.73 on Analytical Methods for Oral Care Products and the organizations with which they were affiliated at the time the standard was developed:

Clifton Carey (chairman), University of Colorado, Denver;  
Michael Adjodha, U.S. Food and Drug Administration, Rockville, MD;  
Satish Alapati, University of Illinois at Chicago;  
P.L Fan, Individual Representative, Santa Fe, New Mexico;  
Steven Jefferies, Temple University, Media, PA;  
J.R. Kelly, University of Connecticut, Farmington;  
Paul Klaiber, 3M ESPE Dental Products, St. Paul, MN;  
Milton Marshall, Marshall & Associates, Houston, TX;  
Bruce Schemehorn, Therametric Technologies, Inc., Noblesville, IN;  
Eva Schneiderman, Procter & Gamble, Mason, OH;  
Christina Tyrakowski, American Dental Association, Chicago, IL;  
Clifford Whall, Whall Consulting Services, Naperville, IL; and  
Jeff Zawada, A-dec, Inc., Newberg, OR.

**AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION STANDARD NO. 171  
FOR ANALYSIS OF FLUORIDE CONCENTRATION IN AQUEOUS SOLUTIONS BY USE OF  
FLUORIDE ION-SELECTIVE ELECTRODE**

**FOREWORD**

(This Foreword does not form a part of ANSI/ADA Standard No. 171 for Analysis of Fluoride Concentration in Aqueous Solutions by Use of Fluoride Ion-Selective Electrode).

This standard is an identical adoption of ISO 19448:2018, Dentistry — Analysis of fluoride concentration in aqueous solutions by use of fluoride ion-selective electrode. ADA SCDP Working Group 7.73 on Analytical Methods for Oral Care Products examined the international standard and found it acceptable for identical adoption as ANSI/ADA Standard No. 171.