ISO/TS 17951-1:2016-07 (E)

Water quality - Determination of fluoride using flow analysis (FIA and CFA) - Part 1: Method using flow injection analysis (FIA) and spectrometric detection after off-line distillation

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Principle 1

4 Interferences 2

5 Reagents 2

6 Apparatus 4

7 Sampling and sample preparation 4

8 Procedure 5
8.1 Distillation 5
8.2 Setting up the system 5
8.3 Reagent blank measurement 5
8.4 Adjustment of sensitivity 5
8.5 Confirmation of repeatability 5
8.6 Calibration 5
8.7 Measurement of samples 6

9 Calculation 6

10 Expression of results 6

11 Test report 7

Annex A (informative) Example of flow injection analysis (FIA) system 8

Annex B (informative) Example of a distillation apparatus and procedure 9

Annex C (informative) Results of the interlaboratory trial 11

Bibliography 12