ISO 15681-2:2018 (E)

Water quality — Determination of orthophosphate and total phosphorus contents by flow analysis (FIA and CFA) — Part 2: Method by continuous flow analysis (CFA)

Contents

Foreword

Introduction

- 1 Scope
- 2 Normative references
- 3 Terms and definitions
- 4 Interferences
 - 4.1 General interferences
 - 4.2 Interferences in the determination of total-P
- 5 Principle
 - 5.1 Determination of orthophosphate
 - 5.2 Total phosphorus with manual digestion
 - 5.3 Total phosphorus with integral UV digestion and hydrolysis
- 6 Reagents
- 7 Apparatus
- 8 Sampling and sample preparation
- 9 Procedure
 - 9.1 Preparation for analysis
 - 9.2 Instrument performance check
 - 9.3 Reagent blank check
 - 9.4 Calibration
 - 9.5 Check of UV digestion and hydrolysis for total P determination (Figures A.2 and A.3)
 - 9.6 Measurement
 - 9.7 Closing down the system
- 10 Calculation of results
- 11 Expression of results
- 12 Test report
- Annex A (informative) Examples of a CFA system
- Annex B (informative) Performance data
- Annex C (informative) Determination of orthophosphate-P and total-P by CFA and tin(II) chloride reduction

Page count: 18