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Water quality — Determination of available free cyanide (pH 6) using flow injection analysis (FIA), gas-diffusion and amperometric detection

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National foreword

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Qualité de l'eau — Dosage des cyanures libres disponibles (pH 6) par analyse avec injection en flux (FIA), diffusion de gaz et détection ampérométrique

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Contents

Page

Foreword ... **iv**
Introduction ... **v**
1 Scope ... **1**
2 Normative references ... **1**
3 Terms and definitions ... **1**
4 Interferences ... **2**
4.1 Interferences by oxidizing agents ... 2
4.2 Interferences by sulfide ... 2
5 Principle ... **2**
6 Reagents ... **2**
7 Apparatus ... **4**
8 Sampling and sample preparation ... **5**
9 Procedure ... **5**
9.1 Flow system set up ... 5
9.2 Reagent blank measurement ... 6
9.3 Checking the suitability of the flow injection system ... 6
9.3.1 Electrode stabilization ... 6
9.3.2 Recovery rates ... 6
9.4 Calibration ... 7
9.5 Sample measurement ... 7
10 Calculations ... **7**
11 Expression of results ... **8**
12 Test report ... **8**
Annex A (informative) **Example of a flow injection system** ... **9**
Annex B (normative) **Determination of the real cyanide concentration in the potassium cyanide solution (6.5.1)** ... **10**
Annex C (informative) **Performance data** ... **11**
Bibliography ... **12**

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Foreword

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The committee responsible for this document is ISO/TC 147, *Water quality*, Subcommittee SC 2, *Physical, chemical and biochemical methods*.

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Introduction

Methods using flow analysis automate wet chemical procedures and are particularly suitable for the determination of many analytes in water in large sample series at a high analysis frequency.

Analyses can be performed by flow injection analysis (FIA) using the feature of an automatic dosage of the sample into a flow system (manifold) where the analytes in the sample reacts with the reagent solutions on their way through the manifold. The sample preparation can be integrated in the manifold. The reaction product is measured by a flow detector (e.g. amperometer).

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