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Stationary source emissions — Sampling and determination of gaseous fluoride content

Émissions de sources fixes — Échantillonnage et détermination de la teneur en fluorure gazeux



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Contents

Page

Foreword.....	iv
Introduction	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle.....	2
5 Reagents.....	2
6 Apparatus	3
7 Sampling.....	5
8 Analytical procedure by ion selective electrode	9
9 Expression of results	11
10 Performance characteristics	13
11 Test report	13

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 15713 was prepared by Technical Committee ISO/TC 146, *Air quality*, Subcommittee SC 1, *Stationary source emissions*.

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Introduction

This International Standard describes a method for the measurement of the concentration of gaseous fluoride compounds in flue gas passing through ducts or chimneys.

The effects of fluoride containing species are of concern as irritants to humans when inhaled at high concentration and because of the potential for adverse effects on vegetation.

For the purposes of this International Standard, the fluoride measured is quoted as hydrogen fluoride. The aim of the method is to measure hydrogen fluoride, but, in practice, the parameter assessed is operationally defined. The fluoride measured is from those compounds that pass through a filter and dissolve in dilute sodium hydroxide and which produce fluoride ions which remain present in solution when analysed.