

**Heitmed püsiallikatest. Käsitsimeetod
HCl määramiseks. Osa 1: Gaasiproovi
võtmine**

Stationary source emissions - Manual method of
determination of HCl - Part 1: Sampling of gases

EESTI STANDARDI EESSÖNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1911-1:1999 sisaldb Euroopa standardi EN 1911-1:1998 ingliskeelset teksti.	This Estonian standard EVS-EN 1911-1:1999 consists of the English text of the European standard EN 1911-1:1998.
Käesolev dokument on jõustatud 12.12.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 12.12.1999 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: Käesolev Euroopa standard määrab kindlaks meetodi gaaside proovi võtmiseks ja filtreerimiseks, arvestades nende HCl kontsentratsiooni määramist. Järgnevat HCl absorptsiooni ja analüüsimist on kirjeldatud vastavalt normdokumentides EN 1911-2 ja EN 1911-3.	Scope:
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ICS 13.040.40

Võtmesõnad: emissioon, gaasianalüüs, heitgaasid, kvaliteet, proovivõtmine, sisalduse määramine, vesinikkloriidhape, õhk, õhu saastumine

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EN 1911-1

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Descriptors: Air quality, HCl, emission, measurements.

English version

Stationary source emissions – Manual method of determination of HCl

Part 1: Sampling of gases

Emissions de sources fixes – Méthode manuelle de dosage du HCl – Partie 1: Echantillonnage des gaz

Emissionen aus stationären Quellen – Manuelle Methode zur Bestimmung von HCl – Teil 1: Ansaugen des Probegases

This European Standard was approved by CEN on 1998-03-23.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 264 "Air quality", the secretariat of which is held by DIN

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by month of October 1998, and conflicting national standards shall be withdrawn at the latest by month of October 1998.

The determination of gaseous hydrogen chloride emissions¹⁾ from stationary sources by a manual method is divided in three parts described in the following standards :

- | | |
|-----------|--|
| EN 1911-1 | Stationary source emissions - Manual method of determination of HCl -
Part 1 : Sampling of gases |
| EN 1911-2 | Stationary source emissions - Manual method of determination of HCl -
Part 2 : Gaseous compounds absorption |
| EN 1911-3 | Stationary source emissions - Manual method of determination of HCl -
Part 3 : Absorption solutions analysis and calculations |

This standard is an integral part of a complete measurement procedure and the use of the two other parts is necessary for determination of hydrogen chloride.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

¹⁾ In this standard no distinction is made between hydrogen chloride and hydrochloric acid.

1 Scope

This European Standard specifies a method for sampling and filtration of gases, in view of their HCl concentration determination.

Subsequent HCl absorption and analysis are described in EN 1911-2 and EN 1911-3 respectively.

The method applies to ducted gaseous streams emitted by waste incinerators, and more generally to waste gases in which HCl concentration may vary between 1 mg·m⁻³ and 5 000 mg·m⁻³ under normal pressure and temperature conditions (see note).

The method is validated for gaseous streams of dust concentration below 100 mg·m⁻³, and is not suitable for measurement of molecular chlorine Cl₂ content.

NOTE : Normal pressure and temperature are 101,325 kPa and 0 °C (273,15 K).

2 Normative references

This European Standard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 1911-2:1998 Stationary source emissions - Manual method of determination of HCl - Part 2 : Gaseous compounds absorption

EN 1911-3 Stationary source emissions - Manual method of determination of HCl - Part 3 : Absorption solutions analysis and calculations

ISO 9096:1992 Stationary source emissions - Determination of concentration and mass flow rate of particulate material in gas-carrying ducts - Manual gravimetric method

NOTE : The reference to ISO 9096:1992 will eventually be replaced by the reference to a European Standard, prepared by CEN/TC 264. The title of this future standard is "Stationary source emissions - Determination of low range mass concentration of dust - Manual gravimetric method".

3 Definitions

For the purposes of this standard, the following definitions apply :