

Workplace atmospheres - Volumetric bioaerosol sampling devices - Requirements and test methods

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14583:2004 sisaldab Euroopa standardi EN 14583:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 21.12.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14583:2004 consists of the English text of the European standard EN 14583:2004.</p> <p>This document is endorsed on 21.12.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This European Standard specifies requirements and test methods to determine the performance of volumetric sampling devices used to assess bioaerosols in the workplace. For clean room measurements EN ISO 14698-1 is applicable.</p>	<p>Scope: This European Standard specifies requirements and test methods to determine the performance of volumetric sampling devices used to assess bioaerosols in the workplace. For clean room measurements EN ISO 14698-1 is applicable.</p>
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Võtmesõnad:

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English version

Workplace atmospheres - Volumetric bioaerosol sampling
devices - Requirements and test methods

Air des lieux de travail - Appareils d'échantillonnage
volumétrique des bioaérosols - Exigences et méthodes
d'essai

Arbeitsplatzatmosphäre - Volumetrische
Probenahmeeinrichtungen für Bioaerosole - Anforderungen
und Prüfverfahren

This European Standard was approved by CEN on 9 July 2004.

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Foreword

This document (EN 14583:2004) has been prepared by Technical Committee CEN/TC 137 "Assessment of workplace exposure to chemical and biological agents", 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of an identical text or by endorsement, at the latest by March 2005, and conflicting national standards shall be withdrawn at the latest by March 2005.

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

Introduction

A European Standard is needed to promote the development of new equipment for measurement of micro-organisms in the work environment. This document can also apply to existing equipment. It is intended to specify requirements and methods to determine performance characteristics of sampling devices used to collect bioaerosols from the workplace atmosphere. Examples of test environments and methods will be described and test methods will be provided.

WARNING — The use of this European Standard can involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

1 Scope

This document specifies requirements and test methods to determine the performance of volumetric sampling devices used to assess bioaerosols in the workplace.

For clean room measurements EN ISO 14698-1 is applicable.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1232, *Workplace atmospheres — Pumps for personal sampling of chemical agents — Requirements and test methods*

EN 12919, *Workplace atmospheres — Pumps for the sampling of chemical agents with a volume flow rate of over 5 l/min — Requirements and test methods*

EN 13205, *Workplace atmosphere — Assessment of performance of instruments for measurement of airborne particle concentrations*

EN 50015, *Electrical apparatus for potentially explosive atmospheres — Oil immersion 'o'*

EN 50016, *Electrical apparatus for potentially explosive atmospheres — Pressurised apparatus 'p'*

EN 50017, *Electrical apparatus for potentially explosive atmospheres — Powder filling 'q'*

EN 50020, *Electrical apparatus for potentially explosive atmospheres — Intrinsic safety 'i'*

EN 60079-0, *Electrical apparatus for potentially explosive atmospheres — Part 0: General requirements (IEC 60079-0: 2004)*

EN 60079-1, *Electrical apparatus for potentially explosive atmospheres — Part 1: Flameproof enclosure 'd' (IEC 60079-1:2003)*

EN 60079-7, *Electrical apparatus for explosive gas atmospheres — Part 7: Increased safety 'e' (IEC 60079-7: 2001)*

EN 60079-18, *Electrical apparatus for explosive gas atmospheres — Part 18: Construction, test and marking of type of protection encapsulation "m" electrical apparatus (IEC 60079-18:2004)*

EN 60079-25, *Electrical apparatus for explosive gas atmospheres — Part 25: Intrinsically safe systems (IEC 60079-25:2003)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

accuracy

closeness of agreement between a test result and the accepted reference value