

**Water quality - Guidance on sampling
and processing of the pupal exuviae of
Chironomidae (Order Diptera) for
ecological assessment**

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processing of the pupal exuviae of Chironomidae
(Order Diptera) for ecological assessment

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 15196:2006 sisaldab Euroopa standardi EN 15196:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 20.09.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 15196:2006 consists of the English text of the European standard EN 15196:2006.</p> <p>This document is endorsed on 20.09.2006 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:</p> <p>This guidance standard specifies equipment and procedures for collecting floating pupal exuviae of Chironomidae from aquatic habitats; rivers from source to estuary, canals, ponds, lakes and sea coasts. Guidance in preparing specimens for subsequent identification is provided. These samples provide representative data on relative species abundance, suitable for numerical analysis, classification and monitoring of environmental conditions.</p>	<p>Scope:</p> <p>This guidance standard specifies equipment and procedures for collecting floating pupal exuviae of Chironomidae from aquatic habitats; rivers from source to estuary, canals, ponds, lakes and sea coasts. Guidance in preparing specimens for subsequent identification is provided. These samples provide representative data on relative species abundance, suitable for numerical analysis, classification and monitoring of environmental conditions.</p>
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English Version

**Water quality - Guidance on sampling and processing of the
pupal exuviae of Chironomidae (Order Diptera) for ecological
assessment**

Qualité de l'eau - Guide d'échantillonnage et de traitement
d'exuvies nymphales de Chironomidae (Ordre des
Diptères) pour l'évaluation écologique

Wasserbeschaffenheit - Anleitung zur Probenahme und
Behandlung von Exuvien von Chironomidae-Larven
(Diptera) zur ökologischen Untersuchung

This European Standard was approved by CEN on 26 June 2006.

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.

This European Standard exists 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.

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Foreword

This document (EN 15196:2006) has been prepared by Technical Committee CEN/TC 230 "Water analysis", 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 February 2007, and conflicting national standards shall be withdrawn at the latest by February 2007.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

WARNING — Working in or around water is inherently dangerous. Persons using this standard should be familiar with normal laboratory practice. This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate health and safety practices and to ensure compliance with any national regulatory guidelines.

1 Scope

This guidance standard specifies equipment and procedures for collecting floating pupal exuviae of Chironomidae from aquatic habitats; rivers from source to estuary, canals, ponds, lakes and sea coasts. Guidance in preparing specimens for subsequent identification is provided. These samples provide representative data on relative species abundance, suitable for numerical analysis, classification and monitoring of environmental conditions.

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.

No normative references.

3 Terms and definitions

For the purpose of this European Standard, the following terms and definitions apply

3.1

adult

terrestrial, reproductive phase of the life history

3.2

Chironomidae

family of true flies (Diptera) known in the adult stage as non-biting midges

3.3

exuviae

cast skin of an arthropod developing to a subsequent life stage

NOTE From the Greek word meaning “cast clothes”, there is no singular term.

3.4

larva

among aquatic species of Chironomidae this is the aquatic, juvenile phase of their life history

3.5

leeward shore

lake edge to which the wind is blowing

3.6

pupa

intermediate stage linking the larval and adult phases of a metamorphosing insect