

Nederlandse norm

NEN-EN 15196

(en)

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

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VOORBEELD
 Preview

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ICS 13.060.45

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

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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of an identical text or by endorsement, at the latest by February 2007, and conflicting national standards shall be withdrawn at the latest by February 2007.

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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.

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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

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