

Influence of organic materials on water intended for human consumption — Determination of the chlorine demand — Test method

The European Standard EN 14718:2006 has the status of a British Standard

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National foreword

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The UK participation in its preparation was entrusted to Technical Committee EH/6, Effects of materials on water quality, which has the responsibility to:

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Summary of pages

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Einfluss organischer Materialien auf Wasser für den menschlichen Gebrauch - Bestimmung der Chlorzehrung - Prüfverfahren

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Foreword

This document (EN 14718:2006) has been prepared by Technical Committee CEN/TC 164 “Water supply”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by February 2007, and conflicting national standards shall be withdrawn at the latest by February 2007.

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1 Scope

This standard specifies a method for determining the chlorine demand of organic materials intended for use in contact with drinking water.

The standard is applicable to factory made and site applied products used for the distribution, transport and storage of drinking water.

The standard does not cover the use of high levels of chlorine to disinfect products when they are put into service.

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 ISO 7393-2:2000, *Water quality - Determination of free chlorine and total chlorine - Part 2: Colorimetric method using N,N-diethyl- 1,4-phenylenediamine for routine control purposes (ISO 7393-2:1985)*

3 Terms and Definitions

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

3.1
chlorine demand
ability of a material in contact with chlorinated water to remove/reduce the concentration of free chlorine (see clause 2.1 of EN ISO 7393-2:2000) in the water compared with a reference sample

3.2
test water
water used for testing purposes prepared with a free-chlorine content as described in 5.2

3.3
rinsing water
test water without added chlorine

3.4
contact water
test water (see 3.2) which has been in contact with a test piece under specified conditions

3.5
blank water
test water (see 3.2) which has been kept at the same specified conditions (e.g. temperature, contact time, contact with any sealing material) as contact water but without contact with the test piece

3.6
flushing water
tap water