BRITISH STANDARD

BS EN 12120:1999

Chemicals used for treatment of water intended for human consumption — Sodium hydrogen sulfite

The European Standard EN 12120:1998 has the status of a British Standard

ICS 71.100.80

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

Documents
Document Sharing Hub

Full document details: BS EN 12120:1999

National foreword

This British Standard is the English language version of EN 12120:1998.

The UK participation in its preparation was entrusted to Technical Committee CII/59, Chemicals for drinking water treatment, which has the responsibility to:

— aid enquirers to understand the text;

— present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;

— monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

The United Kingdom did not support this standard at the CEN Enquiry stage and voted against its acceptance at the Formal Vote stage. The principal UK objections were as follows.

a) The limit on the sum of the contents of sodium sulfate and sodium chloride, quoted in **4.2**, is unnecessary and irrevelant.

b) Insufficient details have been provided in order to determine the sodium hydrogen sulfite content by adapting the methods described in ISO 418, which are for solid product rather than a liquid product.

c) No information has been provided on the preparation of test solutions or the calculation of results for the determination of sulfate and chloride, in order to apply the methods referred to in **5.2.2** which are intended for the analysis of water.

d) The requirements for toxic substances in Table 1 are expressed in milligrams per kilogram of the product whereas the results of the determinations described in **5.2.3** will be in micrograms per litre of test solution.

Additional information

Article 8 of the Council of the European Community Directive 80/778/EEC relating to the quality of water intended for human consumption requires Member States to ensure that substances used in the preparation of drinking water do not cause any contravention of the maximum admissible concentrations prescribed in annex 1 to the Directive.

This requirement is given effect in England and Wales by regulation 25 of the Water Supply (Water Quaity) Regulations 1989 (similar provisions apply in Scotland and Northern Ireland). Regulation 25 makes provision for attaching conditions of use to chemicals which are authorized for use in public water supplies.

Details of conditions of use are contained in the Secretary of State's List of Approved Products published by the Drinking Water Inspectorate, Floor 2/A1, Ashdown House, 123 Victoria Street, London SW1E 6DE.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled "International Standards Correspondence Index", or by using the "Find" facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

This British Standard, having been prepared under the direction of the Sector Committee for Materials and Chemicals, was published under the authority of the Standards Committee and comes into effect on 15 June 1999

© BSI 06-1999

ISBN 0 580 32112 6

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 9 and a back cover.

Amendments issued since publication

Amd No.	Date	Comments

Documents
Document Sharing Hub

Full document details: BS EN 12120:1999

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 12120

September 1998

ICS 13.060.20; 71.060.50; 71.100.80

Descriptors: potable water, water treatment, chemical compounds, sodium bisulfite, description, physical properties, chemical properties, impurities, toxic substances, tests, marking, transportation, storage, labelling

English version

Chemicals used for treatment of water intended for human consumption — Sodium hydrogen sulfite

Produits chimiques utilisés pour le traitement de l'eau destinée à la consommation humaine — Hydrogénosulfite de sodium

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch — Natriumhydrogensulfit

This European Standard was approved by CEN on 5 September 1998.

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.

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

CEN

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

Central Secretariat: rue de Stassart 36, B-1050 Brussels

© 1998 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

AVA Documents
Document Sharing Hub

Full document details: BS EN 12120:1999

Foreword

This European Standard 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 March 1999, and conflicting national standards shall be withdrawn at the latest by March 1999.

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.

Contents

		Page
Foreword		2
Introduction		3
1	Scope	3
2	Normative references	3
3	Description	3
3.1	Identification	3
3.2	Commercial form	3
3.3	Physical properties	3
3.4	Chemical properties	4
4	Purity criteria	4
4.1	Composition of commercial product	4
4.2	Impurities and main by-products	4
4.3	Toxic substances	4
5	Test methods	4
5.1	Sampling	4
5.2	Analyses	5
6	Labelling — Transportation — Storage	8
6.1	Means of delivery	8
6.2	Risk and safety labelling according to EU Directives	8
6.3	Transportation regulations and labelling	8
6.4	Marking	8
6.5	Storage	8
Annex A (informative) General information on sodium hydrogen sulfite		9
Annex B (informative) Bibliography		9

Documents
Document Sharing Hub
© BSI 06-1999
Full document details: BS EN 12120:1999