

STN	Chemikálie používané pri úprave vody na pitnú vodu. Kyselina octová.	STN EN 13194 75 8409
------------	---	--

Chemicals used for treatment of water intended for human consumption - Acetic Acid

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/15

Obsahuje: EN 13194:2015

Oznámením tejto normy sa ruší
STN EN 13194 (75 8409) z marca 2009

120989



Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2015
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

English Version

Chemicals used for treatment of water intended for human consumption - Acetic Acid

Produits chimiques utilisés pour le traitement de l'eau destinée à la consommation humaine - Acide acétique

Produkte zur Aufbereitung von Wasser für den menschlichen Gebrauch - Essigsäure

This European Standard was approved by CEN on 20 December 2014.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents		Page
Foreword.....		4
Introduction		5
1 Scope		6
2 Normative references		6
3 Description		6
3.1 Identification		6
3.1.1 Chemical name		6
3.1.2 Synonym or common name		6
3.1.3 Relative molecular mass		6
3.1.4 Empirical formula		6
3.1.5 Chemical formula		6
3.1.6 CAS Registry Number)		7
3.1.7 EINECS reference)		7
3.2 Commercial form		7
3.3 Physical properties		7
3.3.1 Appearance		7
3.3.2 Density		7
3.3.3 Solubility in water		7
3.3.4 Vapour pressure (at 20 °C)		7
3.3.5 Boiling point at 100 kPa)		7
3.3.6 Melting point		7
3.3.7 Specific heat		7
3.3.8 Viscosity, dynamic		8
3.3.9 Critical temperature (for gas)		8
3.3.10 Critical pressure (for gas)		8
3.3.11 Physical hardness		8
3.4 Chemical properties		8
4 Purity criteria		8
4.1 General		8
4.2 Composition of commercial product		8
4.3 Impurities and main by-products		8
4.4 Chemical parameters		9
5 Test methods		9
5.1 Sampling		9
5.1.1 Relevant Standards		9
5.1.2 Sampling from drums and bottles		9
5.1.3 Sampling from tanks and tankers		10
5.2 Analysis		10
5.2.1 Acetic acid (main product)		10
5.2.2 Impurities		11
5.2.3 Chemical parameters		15
6 Labelling - Transportation - Storage		17
6.1 Means of delivery		17
6.2 Labelling according to the EU legislation)		17
6.3 Transportation regulations and labelling		18
6.4 Marking		19
6.5 Storage		19

6.5.1	General	19
6.5.2	Long term stability	19
6.5.3	Storage incompatibilities	19
	Annex A (informative) General information on acetic acid	20
A.1	Origin	20
A.1.1	Raw materials	20
A.1.2	Manufacturing process	20
A.2	Use	20
A.2.1	Function	20
A.2.2	Form in which it is used	20
A.2.3	Treatment dose	20
A.2.4	Means of application	21
A.2.5	Secondary effects	21
A.2.6	Removal of excess product	21
	Annex B (normative) General rules relating to safety	22
B.1	Rules for safe handling and use	22
B.2	Emergency procedures	22
B.2.1	First aid	22
B.2.2	Spillage	22
B.2.3	Fire	22
	Bibliography	23

Foreword

This document (EN 13194:2015) 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 September 2015, and conflicting national standards shall be withdrawn at the latest by September 2015.

This document supersedes EN 13194:2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

Significant technical difference between this edition and EN 13194:2008 is as follows:

- a) deletion of reference to EU Directive 67/548/EEC of June 27, 1967 in order to take into account the latest Regulation in force (see [3]);
- b) 6.2 – updating of risk and safety labelling according to EU Regulation [3] and its latest Adaptations to Technical Progress).

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

Introduction

In respect of potential adverse effects on the quality of water intended for human consumption, caused by the product covered by this European Standard:

- a) this European Standard provides no information as to whether the product may be used without restriction in any of the Member States of the EU or EFTA;
- b) it should be noted that, while awaiting the adoption of verifiable European criteria, existing national regulations concerning the use and/or the characteristics of this product remain in force.

NOTE Conformity with this European Standard does not confer or imply acceptance or approval of the product in any of the Member States of the EU or EFTA. The use of the product covered by this European Standard is subject to regulation or control by National Authorities.

1 Scope

This European Standard is applicable to acetic acid used for treatment of water intended for human consumption. It describes the characteristics of acetic acid and specifies the requirements and the corresponding test methods for acetic acid. It gives information on its use in water treatment.*

2 Normative references

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

EN 1233, *Water quality — Determination of chromium — Atomic absorption spectrometric methods*

EN ISO 3696, *Water for analytical laboratory use — Specification and test methods (ISO 3696)*

EN ISO 12846, *Water quality — Determination of mercury — Method using atomic absorption spectrometry (AAS) with and without enrichment (ISO 12846)*

ISO 17378-1, *Water quality — Determination of arsenic and antimony — Part 1: Method using hydride generation atomic fluorescence spectrometry (HG-AFS)*

ISO 3165, *Sampling of chemical products for industrial use — Safety in sampling*

ISO 6206, *Chemical products for industrial use — Sampling — Vocabulary*

ISO 8288:1986, *Water quality — Determination of cobalt, nickel, copper, zinc, cadmium and lead — Flame atomic absorption spectrometric methods*

ISO 9965, *Water quality — Determination of selenium — Atomic absorption spectrometric method (hydride technique)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN