



SLOVENSKI STANDARD

SIST EN 13806-1:2025

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Nadomešča:
SIST EN 13806:2002

Živila - Določevanje elementov v sledovih - 1. del: Določevanje celotnega živega srebra v živilih z atomsko absorpcijsko spektrometrijo (AAS) - Tehnika hladne pare po razklopu pod pritiskom

Foodstuffs - Determination of trace elements - Part 1: Determination of total mercury in foodstuffs by atomic absorption spectrometry (AAS) - cold vapour technique after pressure digestion

Lebensmittel - Bestimmung von Elementspuren - Teil 1: Bestimmung von Quecksilber mit Atomabsorptionsspektrometrie-(AAS-)Kaldampftechnik nach Druckaufschluss

Produits alimentaires - Dosage des éléments traces - Partie 1 : Dosage du mercure par spectrométrie d'absorption atomique par génération de vapeurs froides après digestion sous pression

<https://standards.iteh.ai/catalog/standards/sist/87b95e02-992f-4685-8526-f29f6ee2fc27/sist-en-13806-1-2025>

Ta slovenski standard je istoveten z: EN 13806-1:2025

ICS:

67.050

Splošne preskusne in
analizne metode za živilske
proizvode

General methods of tests and
analysis for food products

SIST EN 13806-1:2025

en,fr,de

EUROPEAN STANDARD

EN 13806-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2025

ICS 67.050

Supersedes EN 13806:2002

English Version

**Foodstuffs - Determination of trace elements - Part 1:
Determination of total mercury in foodstuffs by atomic
absorption spectrometry (AAS) - cold vapour technique
after pressure digestion**

Produits alimentaires - Dosage des éléments-traces -
Partie 1 : Dosage du mercure total dans les produits
alimentaires par spectrométrie d'absorption atomique
(SAA) - Génération de vapeurs froides après digestion
sous pression

Lebensmittel - Bestimmung von Elementspuren - Teil
1: Bestimmung des Gesamtquecksilbers in
Lebensmitteln durch Atomabsorptionsspektrometrie
(AAS) - Kaldampftechnik nach Druckaufschluss

This European Standard was approved by CEN on 17 February 2025.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 13806-1:2025) has been prepared by Technical Committee CEN/TC 275 “Food analysis – Horizontal methods”, 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 September 2025, and conflicting national standards shall be withdrawn at the latest by September 2025.

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

This document supersedes EN 13806:2002.

This document includes the following significant technical changes with respect to EN 13806:2002:

- the document has been split up into three separate parts: EN 13806-1 covering the AAS-cold-vapour technique, EN 13806-2 the AFS-cold-vapour technique and EN 13806-3 the solid sample AAS technique;
- full technical revision to bring the technical realization up to date with the latest technology;
- stabilization of the digest solution;
- update of statistical data by new interlaboratory study.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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

EN 13806-1:2025 (E)**Introduction**

This document has been developed in parallel with EN 13806-2 [1] and EN 13806-3 [2]. All three methods were validated in parallel in interlaboratory studies with the same scope. They are statistically compatible in performances. This allows the users of these documents to employ the most appropriate/available method depending on the purpose of their studies. The statistical parameters of these standards are presented in the respective documents.

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