



SLOVENSKI STANDARD

SIST EN 13806-3:2025

01-maj-2025

Nadomešča:

SIST EN 13806:2002

Živila - Določevanje elementov v sledovih - 3. del: Določevanje skupnega živega srebra v živilih z atomsko absorpcijo neposredno iz živila (elementarna analiza živega srebra)

Foodstuffs - Determination of trace elements - Part 3: Determination of total mercury in foodstuffs with atomic absorption directly from the foodstuff (elemental mercury analysis)

Lebensmittel - Bestimmung von Elementspuren - Teil 3: Bestimmung des Gesamtquecksilbers in Lebensmitteln durch Atomabsorption direkt aus dem Lebensmittel (Elementare Quecksilberanalyse)

Produits alimentaires - Dosage des éléments traces - Partie 3 : Dosage du mercure total dans les produits alimentaires par absorption atomique directe (analyse du mercure élémentaire)

<https://standards.iTeh.ai/catalog/standards/sist/cb5fb57f-8aa5-4129-918d-707c7636928f/sist-en-13806-3-2025>

Ta slovenski standard je istoveten z: EN 13806-3:2025

ICS:

67.050	Splošne preskusne in analizne metode za živilske proizvode	General methods of tests and analysis for food products
--------	--	---

SIST EN 13806-3:2025

en,fr,de

**EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM**

EN 13806-3

March 2025

ICS 67.050

Supersedes EN 13806:2002

English Version

**Foodstuffs - Determination of trace elements - Part 3:
Determination of total mercury in foodstuffs with atomic
absorption directly from the foodstuff (elemental mercury
analysis)**

Produits alimentaires - Dosage des éléments-traces -
Partie 3 : Dosage du mercure total dans les produits
alimentaires par absorption atomique directe (analyse
du mercure élémentaire)

Lebensmittel - Bestimmung von Elementspuren - Teil
3: Bestimmung des Gesamtquecksilbers in
Lebensmitteln durch Atomabsorption direkt aus dem
Lebensmittel (Elementare Quecksilberanalyse)

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

Contents

	Page
European foreword	3
Introduction	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions.....	5
4 Principle.....	5
5 Reagents.....	6
6 Apparatus	8
7 Sampling.....	8
8 Procedure	8
8.1 Preparations for measurement	8
8.1.1 Sample carrier cleaning.....	8
8.1.2 Sample weight.....	9
8.2 Direct atomic absorption spectrometry using thermal decomposition	9
8.2.1 General.....	9
8.2.2 Instrument blank value	9
8.2.3 Instrument calibration and calibration control	10
8.2.4 Measurement.....	12
8.3 Quality control	13
9 Evaluation.....	13
9.1 Calculation.....	13
9.2 Limit of quantification	13
9.3 Precision	14
9.4 Reproducibility.....	14
9.5 Trueness.....	14
10 Test report.....	15
Annex A (informative) Precision data	16
Annex B (normative) Explanations and notes.....	18
Bibliography	20