ICS 67.050 SLOVENSKÁ TECHNICKÁ NORMA Marec 2020

STN	**Potraviny** **Stanovenie prvkov a ich chemických foriem** **Stanovenie hliníka metódou optickej emisnej spektrometrie s indukčne viazanou plazmou (ICP-OES)**	**STN** **EN 17265** 56 0073

Foodstuffs - Determination of elements and their chemical species - Determination of aluminium by inductively coupled plasma optical emission spectometry (ICP-OES)

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. 02/20

Obsahuje: EN 17265:2019

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

EN 17265

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ICS 67.050

English Version

Foodstuffs - Determination of elements and their chemical species - Determination of aluminium by inductively coupled plasma optical emission spectometry (ICP-OES)

Produits alimentaires - Dosage des éléments et de leurs espèces chimiques - Dosage de l'aluminium par spectrométrie d'émission optique avec plasma à couplage inductif (ICP-OES)

Lebensmittel - Bestimmung von Elementen und ihren Verbindungen - Bestimmung von Aluminium mittels optischer Emissionsspektrometrie mit induktiv gekoppeltem Plasma (ICP-OES)

This European Standard was approved by CEN on 28 July 2019.

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 17265:2019) 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of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.

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1 Scope

This document specifies a method for the determination of aluminium in food by inductively coupled plasma optical emission spectrometry (ICP-OES) after pressure digestion. This method was validated for wheat noodle, cheese, liver, beetroot and cocoa powder at mass fractions in the range of 15 mg/kg to 200 mg/kg. At concentrations above 200 mg/kg digestion temperatures higher than 220 °C can be necessary to recover the aluminium as completely as possible.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 13804, *Foodstuffs - Determination of elements and their chemical species - General considerations and specific requirements*

EN 13805, *Foodstuffs - Determination of trace elements - Pressure digestion*

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