

STN	Potraviny Dôkaz alergénov v potravinách molekulárno-biologickými metódami Časť 2: Zeler (Apium graveolens) Dôkaz špecifickej sekvencie DNA vo varených párkoch metódou PCR s priebežnou analýzou	STN EN 15634-2 56 0133
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Foodstuffs - Detection of food allergens by molecular biological methods - Part 2: Celery (Apium graveolens) - Detection of a specific DNA sequence in cooked sausages by real-time PCR

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. 03/20

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English Version

Foodstuffs - Detection of food allergens by molecular biological methods - Part 2: Celery (*Apium graveolens*) - Detection of a specific DNA sequence in cooked sausages by real-time PCR

Produits alimentaires - Détection des allergènes alimentaires par des méthodes d'analyse de biologie moléculaire - Partie 2 : Céleri (*Apium graveolens*) - Détection d'une séquence d'ADN spécifique dans des saucisses cuites par PCR en temps réel

Lebensmittel - Nachweis von Lebensmittelallergenen mit molekularbiologischen Verfahren - Teil 2: Sellerie (*Apium graveolens*) - Nachweis einer spezifischen DNA-Sequenz in Brühwürsten mittels Real-time-PCR

This European Standard was approved by CEN on 12 August 2019.

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

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EN 15634-2:2019 (E)

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 and equipment	7
7	Procedure	8
8	Expression of results	13
9	Validation	13
10	Test report	19
Bibliography		20

European foreword

This document (EN 15634-2:2019) 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of an identical text or by endorsement, at the latest by April 2020, and conflicting national standards shall be withdrawn at the latest by April 2020.

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

This document supersedes CEN/TS 15634-2:2012.

Significant technical changes between this standard and CEN/TS 15634-2:2012 are as follows:

- a) the document was converted from a Technical Specification into a European Standard;
- b) normative references added (2);
- c) expression of results (8) updated;
- d) requirements regarding the test report added (10)
- e) updated bibliography.

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EN 15634-2:2019 (E)**Introduction**

For the use of this document the term:

- ‘shall’ indicates a requirement;
- ‘should’ indicates a recommendation;
- ‘may’ indicates a permission; and
- ‘can’ indicates a possibility and/or a capability.

1 Scope

This document specifies a method for the detection of celery (*Apium graveolens*) in emulsion-type sausages (e.g. Frankfurter, Wiener).

Real-time PCR (polymerase chain reaction) detection of celery is based on an 101 bp (base pair) sequence from the gene of the mannitol dehydrogenase (GenBank Acc. No. AF067082¹) of celery (*Apium graveolens*).

The method has been validated on emulsion-type sausages (Bavarian "Leberkäse") spiked with celery. For this purpose meat batter containing mass fractions of 50 % pork meat, 25 % pork fat, 23 % crushed ice and 1,8 % of a mixture of sodium chloride, nitrite, nitrate, phosphates and ascorbates was prepared according to a standard procedure for emulsion-type sausage. The meat batter was spiked with either ground celery seeds or celery root powder to 1000 mg/kg. Lower spiking levels were obtained by diluting with celery-free meat batter. The batter was stuffed into casings and heated at 65 °C for 60 min [1].

This document is intended to be used in addition to EN 15842 and EN 15634-1.

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 15634-1:2019, *Foodstuffs — Detection of food allergens by molecular biological methods — Part 1: General considerations*

EN 15842, *Foodstuffs - Detection of food allergens - General considerations and validation of methods*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

1) NCBI-GeneBank® is an example of a suitable search tool for free use. This information is given for the convenience of users of this document and does not constitute an endorsement by CEN.