



SLOVENSKI STANDARD

SIST EN 18033:2025

01-februar-2025

Pristnost živil - Kvantitativno določanje DNK kopitarjev glede na DNK sesalcev v surovi govedini (meso)

Food authenticity - Quantitation of equine DNA relative to mammalian DNA in raw beef (meat)

Lebensmittelauthentizität - Quantifizierung von Equiden-DNA im Verhältnis zu Säugetier-DNA in rohem Rindfleisch

Authenticité des aliments - Quantification de l'ADN équin par rapport à l'ADN mammalien dans la viande de bœuf crue

Ta slovenski standard je istoveten z: EN 18033:2024

[SIST EN 18033:2025](#)

ICS:

07.100.30	Mikrobiologija živil	Food microbiology
67.120.10	Meso in mesni proizvodi	Meat and meat products

SIST EN 18033:2025

en,fr,de

EUROPEAN STANDARD

EN 18033

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2024

ICS 07.100.30; 67.120.10

English Version

Food authenticity - Quantitation of equine DNA relative to mammalian DNA in raw beef (meat)

Authenticité des aliments - Quantification de l'ADN équin par rapport à l'ADN mammalien dans la viande de bœuf crue

Lebensmittelauthentizität - Quantifizierung von Equiden-DNA im Verhältnis zu Säugetier-DNA in rohem Rindfleisch

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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 Symbols and abbreviations	5
5 Principle.....	6
6 Reagents and materials	6
7 Apparatus	8
8 Procedure	8
8.1 Preparation of the test sample and test portion	8
8.2 Preparation of DNA extracts	8
8.3 Preparation of horse calibration standards.....	8
8.4 PCR setup	9
8.4.1 Samples and controls	9
8.4.2 Reaction mixes.....	9
8.4.3 Thermal cycling.....	9
9 Accept/Reject criteria	10
9.1 General.....	10
9.2 Data analysis.....	10
10 Validation status and performance criteria.....	11
10.1 General.....	11
10.2 Repeatability	11
10.3 Reproducibility.....	12
10.4 Limit of Detection (<i>LOD</i>).....	12
10.5 Limit of Quantitation (<i>LOQ</i>).....	12
10.6 Specificity.....	12
10.7 Measurement uncertainty	12
11 Test report.....	12
Bibliography	13

European foreword

This document (EN 18033:2024) has been prepared by Technical Committee CEN/TC 460 “Food authenticity”, 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 June 2025, and conflicting national standards shall be withdrawn at the latest by June 2025.

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EN 18033:2024 (E)

Introduction

Food authenticity and integrity are key aspects in terms of consumer protection. Since the late 1980s, globalization has taken place in the trade of food. During the last decades, many methods applying PCR and particularly real-time PCR protocols have been established for the identification of animal species used for food consumption (e.g. pig, cattle, sheep, horse, chicken, and turkey).

The European Union (EU) and United Kingdom (UK) horse meat issue in 2013, where a significant amount of horse DNA was found in a beef burger intended for sale to the public at a supermarket, brought into perspective that the development of harmonized and standardized protocols for the authentication of meat products is necessary to establish reliable methods for the detection of potential food fraud.

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