

STN	Poživatiny. Stanovenie fumonizínu B1 a fumonizínu B2 vo výžive pre dojčatá a malé deti, obsahujúcej spracovanú kukuricu. Metóda HPLC s prečistením na imunoafinitnej kolóne a fluorescenčná detekcia po predkolónovej derivatizácii.	STN EN 16187 56 0506
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Foodstuffs - Determination of fumonisin B1 and fumonisin B2 in processed maize containing foods for infants and young children - HPLC method with immunoaffinity column cleanup and fluorescence detection after pre-column derivatisation

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. 10/15

Obsahuje: EN 16187:2015

Oznámením tejto normy sa ruší
STN P CEN/TS 16187 (56 0506) z júla 2011

121688

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2015
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

English Version

**Foodstuffs - Determination of fumonisin B1 and fumonisin B2 in processed maize containing foods for infants and young children
- HPLC method with immunoaffinity column cleanup and fluorescence detection after pre-column derivatisation**

Denrées alimentaires - Dosage de la fumonisine B1 et de la fumonisine B2 dans les aliments pour nourrissons et jeunes enfants contenant du maïs transformé - Méthode par CLHP avec purification sur colonne d'immunoaffinité et détection de fluorescence après dérivation précolonne

Lebensmittel - Bestimmung von Fumonisin B1 und Fumonisin B2 in Säuglings- und Kleinkindernahrung auf Maisbasis - HPLC-Verfahren mit Reinigung an einer Immunoaffinitätssäule und Fluoreszenzdetektion nach Vorsäulenderivatisierung

This European Standard was approved by CEN on 7 May 2015.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN 16187:2015) 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of an identical text or by endorsement, at the latest by December 2015, and conflicting national standards shall be withdrawn at the latest by December 2015.

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This document supersedes CEN/TS 16187:2011.

No technical change has been introduced during the conversion of CEN/TS 16187:2011 into this final draft European Standard.

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1 Scope

This European Standard specifies a method for the determination of fumonisin B₁ (FB₁) and fumonisin B₂ (FB₂) in processed maize-containing foods for infants and young children by high performance liquid chromatography (HPLC) with immunoaffinity cleanup and fluorescence detection (FLD). This method has been validated in an interlaboratory study via the analysis of both naturally contaminated and spiked samples ranging from 112 µg/kg to 458 µg/kg for FB₁+FB₂, 89 µg/kg to 384 µg/kg for FB₁ and 22 µg/kg to 74 µg/kg for FB₂.

For further information on the validation, see Clause 8 and Annex B.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN ISO 3696:1995, *Water for analytical laboratory use - Specification and test methods (ISO 3696:1987)*

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