

STN	Káva a výrobky z kávy Stanovenie akrylamidu Metódy HPLC-MS/MS a GC-MS po derivatizácii (ISO 18862: 2016)	STN EN ISO 18862 58 0116
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Coffee and coffee products - Determination of acrylamide - Methods using HPLC-MS/MS and GC-MS after derivatization (ISO 18862:2016)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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Coffee and coffee products - Determination of acrylamide - Methods using HPLC-MS/MS and GC-MS after derivatization (ISO 18862:2016)

Café et dérivés du café - Dosage de l'acrylamide -
Méthodes par CLHP-SM/SM et CG-SM après dérivation
(ISO 18862:2016)

Kaffee und Kaffee-Erzeugnisse - Bestimmung von
Acrylamid - Verfahren mittels HPLC-MS/MS und
mittels GC-MS nach Derivatisierung (ISO 18862:2016)

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EN ISO 18862:2019 (E)

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European foreword

The text of ISO 18862:2016 has been prepared by Technical Committee ISO/TC 34 "Food products" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 18862:2019 by Technical Committee CEN/TC 275 "Food analysis - Horizontal methods" the secretariat of which is held by DIN.

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The text of ISO 18862:2016 has been approved by CEN as EN ISO 18862:2019 without any modification.

INTERNATIONAL STANDARD

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Coffee and coffee products — Determination of acrylamide — Methods using HPLC-MS/MS and GC- MS after derivatization

*Café et de ses dérivés — Dosage de l'acrylamide — Méthodes utilisant
CLHP-MS/MS et CG-MS après dérivation*



Reference number
ISO 18862:2016(E)

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ISO 18862:2016(E)**Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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The committee responsible for this document is ISO/TC 34, *Food products*, Subcommittee SC 15, *Coffee*.

Introduction

When applying this document, all existing safety regulations have to be followed.

Coffee and coffee products — Determination of acrylamide — Methods using HPLC-MS/MS and GC-MS after derivatization

WARNING — The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all the safety problems associated with its use. It is the responsibility of the user of this document to take appropriate measures for ensuring the safety and health of the personnel prior to application of this document and to fulfil statutory requirements for this purpose.

1 Scope

This document specifies methods for the determination of acrylamide in coffee and coffee products by extraction with water, clean-up by solid-phase extraction and determination by HPLC-MS/MS and GC-MS. It was validated in a method validation study on roasted coffee, soluble coffee, coffee substitutes and coffee products with ranges from 53 µg/kg to 612,1 µg/kg.

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.

ISO 3696, *Water for analytical laboratory use — Specification and test methods*

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