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**Živalske in rastlinske maščobe ter olja - Določevanje maščobno-kislinsko vezanih kloropropanediolov (MCPD) in glicidola z GC/MS - 3. del: Metoda z uporabo kislinske transesterifikacije in meritev 2-MCPD, 3-MCPD in glicidola (ISO 18363-3:2024)**

Animal and vegetable fats and oils - Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS - Part 3: Method using acid transesterification and measurement for 2-MCPD, 3-MCPD and glycidol (ISO 18363-3:2024)

Tierische und pflanzliche Fette und Öle - Bestimmung von fettsäuregebundenem Chloropropandiol (MCPD) und Glycidol mittels GC/MS - Teil 3: Verfahren mittels Säureumesterung und Messung für 2-MCPD, 3-MCPD und Glycidol (ISO 18363-3:2024)

Corps gras d'origines animale et végétale - Détermination des esters de chloropropanediols (MCPD) et d'acides gras et des esters de glycidol et d'acides gras par CPG/SM - Partie 3: Méthode par transestérification acide et mesure du 2-MCPD, du 3-MCPD et du glycidol (ISO 18363-3:2024)

**Ta slovenski standard je istoveten z: EN ISO 18363-3:2024**

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Animal and vegetable fats and oils - Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS - Part 3: Method using acid transesterification and measurement for 2-MCPD, 3-MCPD and glycidol (ISO 18363-3:2024)

Corps gras d'origines animale et végétale - Détermination des esters de chloropropanediols (MCPD) et d'acides gras et des esters de glycidol et d'acides gras par CPG/SM - Partie 3: Méthode par transestérification acide et mesure du 2-MCPD, du 3-MCPD et du glycidol (ISO 18363-3:2024)

Tierische und pflanzliche Fette und Öle - Bestimmung von fettsäuregebundenem Chlorpropanediol (MCPD) und Glycidol mittels GC/MS - Teil 3: Verfahren mittels Säureumesterung und Messung für 2-MCPD, 3-MCPD und Glycidol (ISO 18363-3:2024)

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## European foreword

This document (EN ISO 18363-3:2024) has been prepared by Technical Committee ISO/TC 34 "Food products" in collaboration with Technical Committee CEN/TC 307 "Oilseeds, vegetable and animal fats and oils and their by-products - Methods of sampling and analysis" the secretariat of which is held by AFNOR.

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 January 2025, and conflicting national standards shall be withdrawn at the latest by January 2025.

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.

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# International Standard

## ISO 18363-3

### Animal and vegetable fats and oils — Determination of fatty-acid- bound chloropropanediols (MCPDs) and glycidol by GC/MS —

#### Part 3: Method using acid transesterification and measurement for 2-MCPD, 3-MCPD and glycidol

*Corps gras d'origines animale et végétale — Détermination des esters de chloropropanediols (MCPD) et d'acides gras et des esters de glycidol et d'acides gras par CPG/SM —*

*Partie 3: Méthode par transestérification acide et mesure du 2-MCPD, du 3-MCPD et du glycidol*

### Second edition 2024-06

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## ISO 18363-3:2024(en)

### Foreword

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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 document 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](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 11, *Animal and vegetable fats and oils*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 307, *Oilseeds, vegetable and animal fats and oils and their by-products – Methods of sampling and analysis*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 18363-3:2017), of which it constitutes a minor revision.

The main changes are as follows:

- the text of the Introduction has been revised to be consistent with ISO 18363-4:2021.

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