
Živalske in rastlinske maščobe ter olja - Določevanje maščobno-kislinsko vezanih kloropropanediolov (MCPD) in glicidola z GC/MS - 1. del: Metoda z uporabo hitre alkalne transesterifikacije in meritve 3-MCPD ter diferencialne meritve glicidola (ISO 18363-1:2015)

Animal and vegetable fats and oils - Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS - Part 1: Method using fast alkaline transesterification and measurement for 3-MCPD and differential measurement for glycidol (ISO 18363-1:2015)

Tierische und pflanzliche Fette und Öle - Bestimmung von fettsäuregebundenen Chlorpropanediol (MCPD) und Glycidol mittels GC/MS - Teil 1: Verfahren mittels schneller alkalischer Umesterung und Messung für 3 MCPD und Differenzmessung für Glycidol (ISO 18363 1:2015)

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 1: Méthode par transestérification alcaline rapide et mesure pour le 3-MCPD et par mesure différentielle pour le glycidol (ISO 18363-1:2015)

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European foreword

The text of ISO 18363-1:2015 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 18363-1:2021 by 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of an identical text or by endorsement, at the latest by June 2022, and conflicting national standards shall be withdrawn at the latest by June 2022.

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**INTERNATIONAL
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18363-1**First edition
2015-08-15

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

Part 1:

**Method using fast alkaline
transesterification and measurement
for 3-MCPD and differential
measurement for 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 —*

*Partie 1: Méthode par transestérification alcaline rapide et
mesure pour le chloro-3 propane-1,2-diol (3-MCPD) et par mesure
différentielle pour le glycidol*

Reference number
ISO 18363-1:2015(E)

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Foreword

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The committee responsible for this document is ISO/TC 34, *Food products*, Subcommittee SC 11, *Animal and vegetable fats and oils*.

ISO 18363 consists of the following parts, under the general title *Animal and vegetable fats and oils — Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS*

— *Part 1: Method using fast alkaline transesterification and measurement for 3-MCPD and differential measurement for glycidol*

The following parts are under preparation:

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