



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN ISO 18363-1:2021

Animal and vegetable fats and oils - Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS - Part 1: Method

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

Tierische und pflanzliche Fette und Öle -
Bestimmung von fettsäuregebundenen
Chlorpropandiol (MCPD) und Glycidol
mittels GC/MS - Teil 1: Verfahren mittels

12/2021



National Foreword

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English Version

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)

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)

Tierische und pflanzliche Fette und Öle - Bestimmung
von fettsäuregebundenen Chlorpropandiol (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)

This European Standard was approved by CEN on 5 December 2021.

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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.

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The text of ISO 18363-1:2015 has been approved by CEN as EN ISO 18363-1:2021 without any modification.

**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



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