



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

ILNAS-EN IEC 62321-3-4:2023

Determination of certain substances in electrotechnical products - Part 3-4: Screening - Phthalates in polymers of electrotechnical products by high

Détermination de certaines substances
dans les produits électrotechniques -
Partie 3-4: Détection - Phtalates dans les
polymères des produits

Verfahren zur Bestimmung von
bestimmten Substanzen in Produkten
der Elektrotechnik - Teil 3-4: Screening
von Phthalaten in Polymeren von

06/2023



National Foreword

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ILNAS-EN IEC 62321-3-4:2023

EUROPEAN STANDARD **EN IEC 62321-3-4**

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2023

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English Version

**Determination of certain substances in electrotechnical products
- Part 3-4: Screening - Phthalates in polymers of electrotechnical
products by high performance liquid chromatography with
ultraviolet detector (HPLC-UV), thin layer chromatography (TLC)
and thermal desorption mass spectrometry (TD-MS)
(IEC 62321-3-4:2023)**

Détermination de certaines substances dans les produits
électrotechniques - Partie 3-4: Détection - Phtalates dans
les polymères des produits électrotechniques par
chromatographie en phase liquide à haute performance
avec détecteur d'ultraviolets (HPLC-UV), par
chromatographie sur couche mince (CCM) et par
spectrométrie de masse par désorption thermique (TD-MS)
(IEC 62321-3-4:2023)

Verfahren zur Bestimmung von bestimmten Substanzen in
Produkten der Elektrotechnik - Teil 3-4: Screening von
Phthalaten in Polymeren von Produkten der Elektrotechnik
durch Hochleistungs-Flüssigkeitschromatographie mit
Ultraviolett-detektor (HPLC-UV),
Dünnschichtchromatographie (TLC) und
Thermodesorptions-Massenspektroskopie (TD-MS)
(IEC 62321-3-4:2023)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 111/695/FDIS, future edition 1 of IEC 62321-3-4, prepared by IEC/TC 111 "Environmental standardization for electrical and electronic products and systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62321-3-4:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2024-03-07
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-06-07

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In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 62321-8:2017 NOTE Approved as EN 62321-8:2017 (not modified)

IEC 62321-6:2015 NOTE Approved as EN 62321-6:2015 (not modified)

ISO 3696 NOTE Approved as EN ISO 3696

ISO/IEC 17025 NOTE Approved as EN ISO/IEC 17025

Annex A (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62321-1	2013	Determination of certain substances in electrotechnical products - Part 1: Introduction and overview	EN 62321-1	2013
IEC 62321-2	2021	Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjointment and mechanical sample preparation	EN IEC 62321-2	2021



INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Determination of certain substances In electrotechnical products –
Part 3-4: Screening – Phthalates in polymers of electrotechnical products by
high performance liquid chromatography with ultraviolet detector (HPLC-UV),
thin layer chromatography (TLC) and thermal desorption mass spectrometry
(TD-MS)**

**Détermination de certaines substances dans les produits électrotechniques –
Partie 3-4: Détection – Phtalates dans les polymères des produits
électrotechniques par chromatographie en phase liquide à haute performance
avec détecteur d'ultraviolets (HPLC-UV), par chromatographie sur couche mince
(CCM) et par spectrométrie de masse par désorption thermique (TD-MS)**

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