
Določevanje posameznih substanc v elektrotehniških izdelkih - 7-1. del:
Ugotavljanje prisotnosti šestvalentnega kroma (Cr(VI)) v brezbarvnih in obarvanih
protikorozijskih premazih na kovinah s kolorimetrično metodo

Determination of certain substances in electrotechnical products - Part 7-1:
Determination of the presence of hexavalent chromium (Cr(VI)) in colorless and colored
corrosion-protected coatings on metals by the colorimetric method

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EUROPEAN STANDARD
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**Determination of certain substances in electrotechnical products
- Part 7-1: Determination of the presence of hexavalent
chromium (Cr(VI)) in colorless and colored corrosion-protected
coatings on metals by the colorimetric method
(IEC 62321-7-1:2015)**

Détermination de certaines substances dans les produits
électrotechniques - Partie 7-1: Chrome hexavalent -
Présence de chrome hexavalent (Cr(VI)) dans les
revêtements incolores et colorés de protection anticorrosion
appliqués sur les métaux à l'aide de la méthode
colorimétrique
(IEC 62321-7-1:2015)

Verfahren zur Bestimmung von bestimmten Substanzen in
Produkten der Elektrotechnik - Teil 7-1: Bestimmung des
Vorliegens von sechswertigem Chrom (Cr(VI)) in farblosen
und farbigen Korrosionsschutzüberzügen auf Metallen
durch das kolorimetrische Verfahren
(IEC 62321-7-1:2015)

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

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EN 62321-7-1:2015**European foreword**

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The following dates are fixed:

- latest date by which the document has to be (dop) 2016-07-21
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ISO 3613	NOTE Harmonized as EN ISO 3613.
ISO 648	NOTE Harmonized as EN ISO 648.
DIN EN 15205:2007	NOTE Harmonized as EN 15205:2006..

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62321-1	-	Determination of certain substances in electrotechnical products -- Part 1: Introduction and overview	EN 62321-1	-
IEC 62321-2	-	Determination of certain substances in electrotechnical products -- Part 2: Disassembly, disjunction and mechanical sample preparation	EN 62321-2	-
ISO 78-2	-	Chemistry_ - Layouts for standards_ - Part_2: Methods of chemical analysis	-	-
ISO 3696	-	Water for analytical laboratory use - Specification and test methods	EN ISO 3696	-

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**Determination of certain substances in electrotechnical products –
Part 7-1: Hexavalent chromium – Presence of hexavalent chromium (Cr(VI)) in
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

DETERMINATION OF CERTAIN SUBSTANCES IN ELECTROTECHNICAL PRODUCTS –

Part 7-1: Hexavalent chromium – Presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method

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International Standard IEC 62321-7-1 has been prepared by IEC technical committee 111: Environmental standardization for electrical and electronic products and systems.

The first edition of IEC 62321:2008 was a 'stand-alone' standard that included an introduction, an overview of test methods, a mechanical sample preparation as well as various test method clauses.

This first edition of IEC 62321-7-1 is a partial replacement of IEC 62321:2008, forming a structural revision and generally replacing informative Annex B.

Future parts in the IEC 62321 series will gradually replace the corresponding clauses in IEC 62321:2008. Until such time as all parts are published, however, IEC 62321:2008 remains valid for those clauses not yet re-published as a separate part.

The text of this standard is based on the following documents:

FDIS	Report on voting
111/380/FDIS	111/393/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62321 series can be found on the IEC website under the general title: *Determination of certain substances in electrotechnical products*.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

The widespread use of electrotechnical products has drawn increased attention to their impact on the environment. In many countries this has resulted in the adaptation of regulations affecting wastes, substances and energy use of electrotechnical products.

The use of certain substances (e.g. lead (Pb), cadmium (Cd) and polybrominated diphenylethers (PBDE's)) in electrotechnical products is a source of concern in current and proposed regional legislation.

The purpose of the IEC 62321 series is therefore to provide test methods that will allow the electrotechnical industry to determine the levels of certain substances of concern in electrotechnical products on a consistent global basis.

WARNING – Persons using this International Standard should be familiar with normal laboratory practice. This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

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