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**Child care articles –
Drinking equipment –
Safety requirements and test methods;
English version EN 14350:2020,
English translation of DIN EN 14350:2020-08**

Artikel für Säuglinge und Kleinkinder –
Artikel für flüssige Kindernahrung –
Sicherheitstechnische Anforderungen und Prüfverfahren;
Englische Fassung EN 14350:2020,
Englische Übersetzung von DIN EN 14350:2020-08

Articles de puériculture –
Articles pour l'alimentation liquide –
Exigences en matière de sécurité et méthodes d'essai;
Version anglaise EN 14350:2020,
Traduction anglaise de DIN EN 14350:2020-08

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Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN 14350:2020) has been prepared by Technical Committee CEN/TC 252 "Child use and care articles" (Secretariat: AFNOR, France).

The responsible German body involved in its preparation was *DIN-Normenausschuss Sicherheitstechnische Grundsätze* (DIN Standards Committee Safety Design Principles), Working Committee NA 095-05-02 AA "Child use and care articles - Feeding, drinking, sucking and similar functions".

The DIN documents corresponding to the international documents referred to in this document are as follows:

EN ISO 3696	DIN ISO 3696
IEC 60454-2	DIN EN 60454-2, VDE 0340-2

For current information on this document, please go to DIN's website (www.din.de) and search for the document number in question.

Amendments

This standard differs from DIN EN 14350-1:2004-11 and DIN EN 14350-2:2004-11 as follows:

- a) the two standards have been combined into one standard;
- b) the technical specifications have been revised;
- c) the standard has been editorially brought in line with current rules of presentation;
- d) Clauses 5, 6 and 11 have been added;
- e) Annexes A, B, D and E have been added.

Previous editions

DIN EN 14350-1: 2004-11
DIN EN 14350-2: 2004-11

National Annex NA (informative)

Bibliography

DIN EN 60454-2 (VDE 0340-2), *Pressure-sensitive adhesive tapes for electrical purposes — Part 2: Methods of test*

DIN ISO 3696, *Water for analytical laboratory use — Specification and test methods*

English Version

Child care articles -
Drinking equipment -
Safety requirements and test methods

Articles de puériculture -
Articles pour l'alimentation liquide -
Exigences en matière de sécurité et méthodes d'essai

Artikel für Säuglinge und Kleinkinder -
Artikel für flüssige Kindernahrung -
Sicherheitstechnische Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 14 March 2020.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European foreword

This document (EN 14350:2020) has been prepared by Technical Committee CEN/TC 252 “Child care articles”, 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 December 2020, and conflicting national standards shall be withdrawn at the latest by June 2021.

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.

This document supersedes EN 14350-1:2004 and EN 14350-2:2004.

The main changes compared to the previous edition are listed below:

- The standard has been completely renewed and a new structure was given. The former two parts were joined together into one standard. A whole series of new aspects had to be considered, following changes in the market and the regulatory background.
- Introduction: Completely reworded and references to European regulations were renewed.
- Clause 3: Completely restructured and partly described in more detail. Definitions for completely new parts were added.
- Clause 4: Several completely new parts were added.
- Clause 5: This clause is completely new.
- Clause 6: This clause is completely new.
- Clause 7: The whole clause has been divided into several sub-paragraphs for individual components of drinking equipment and the associated tests to improve the clarity of the sequence. Several paragraphs for new items and their tests were added.
- Clause 8: This clause was completely restructured and subdivided. The requirements and test conditions have been set with the consideration of the likely chemical exposure: food contact, mouthing or ingestion. Chemical requirements and test methods were set for materials (like rubber, silicon, TPE, metal, glass) and exposures (mouthing and swallowing) which are recently not covered by harmonised legislations. Requirements for substances (e.g. Phthalates and BPA) covered by harmonised regulation (like REACH, (EU) 10/2011 or its amendments) have not been included.
- Clause 10: Revised and partly reworded.
- Clause 11: This clause on Test report is completely new.
- Annex A: This normative annex with translations of warnings into 24 languages is completely new.
- Annex B: This informative annex with rationales is completely new.

- Annex C: This informative annex on Method for the determination of 2-mercaptobenzothiazole (MBT) and antioxidants specified in Table 7 was revised and enlarged.
- Annex E: This informative annex on good practice for visibility and legibility is completely new.

This document has been prepared under a mandate M/264 given to CEN by the European Commission and the European Free Trade Association. The standard is developed in support of the EU Directive 2001/95/EC (GPSD).

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

This document harmonises minimum safety requirements and test methods for children's drinking equipment. Some of the provisions have been taken from other existing national and European Standards and for these provisions the Technical Committee has relied on previous validation.

A significant choking hazard can arise if the component parts of drinking equipment become separated during use. This hazard is addressed in this document by the inclusion of a security test. However, as the fixing of such products to the container is user-dependent, the risk of an accident cannot be completely eliminated. This document sets out labelling requirements stating that parents or carers should not leave children unattended whilst being fed with a product containing a feeding teat or using a container made of glass and that children should not be allowed to use feeding teats as a soother.

The Technical Committee considered the possibility of standardizing both sizes of feeding teats and ranges of flow rates. However, it was decided that the many combinations of container systems precluded being standardized. It is recommended that all container and drinking accessory combinations are matched components. Providing meaningful flow rate information is difficult because of several factors including hole diameter, teat thickness, hole shape/type of feed, and also how individual infants suck the teat. Accordingly, it was decided not to include a test for flow rate but to recommend that manufacturers provide information on flow rate and hole size that is appropriate to their particular product.

This document sets chemical requirements and test methods for materials (like rubber, silicon, TPE etc) and exposures (mouthing and swallowing) not covered by harmonised legislations. Where this document sets migration limits for substances also covered by legislation, the requirements of this document with stated test conditions must be regarded as additional.

Materials and chemical risks included in the standard (Table 3) do not present a definitive list but the considered opinion of the Technical Committee based on current knowledge of likely risks.

All food contact materials and articles are regulated by Regulation (EC) No 1935/2004 [1], Regulation (EC) No 2023/2006 [39] and relevant implementation measures, at European or national level.

All plastics components of drinking equipment intended to come into contact with food are specifically regulated by the Regulation (EU) 10/2011 [2] on plastic materials and articles intended to come into contact with food and its amendments.

Therefore, for example the Bisphenol A - requirement has not been included in this document. [40]

Phthalates in childcare articles are restricted by Annex XVII of the REACH Regulation [3] and have not been included in this document.

Latex protein allergy risk has not been included in this document. There is no published information that sensitization is caused by feeding teats and there is an extremely low incidence of latex protein allergy among young children and babies. Nevertheless, provision for packaging information for feeding teats made from natural rubber latex has been included in this document.

It is recommended that manufacturers and suppliers operate to EN ISO 9001 standard for quality management systems [4]. It is also recommended that laboratories operate to EN ISO/IEC 17025, General requirements for the competence of testing and calibration laboratories [5].