



## EU issued new standard Child care articles - Drinking equipment

In June 2020, the European Committee for Standardization (CEN) issued the new standard EN 14350:2020 "Child care articles - Drinking equipment - Safety requirements and test methods". This standard is expected to be officially accepted by the European Commission in December 2020 and will be issued in the Official Journal of the European Union (OJEU), the standard will then become the harmonized standard of the 2001/95/EC General Product Safety Directive, and the contradictory national standards will be withdrawn by June 2021 at the latest. The main updates are as follows:

1. Standard integration. EN 14350:2020 integrates the old standards EN 14350-1:2004 and EN 14350-2:2004 into one standard, and updates some of the contents.

2. Revision of Article:

- Article 1 "Scope": Modify the description of the scope of application, such as adding "0-48 months age limit" and "Ready to use feeding teats" types.
- Article 2 "Normative Reference": Delete and add some reference documents, such as deleting EN ISO 291 and adding IEC 60454-2.
- Article 3 "Terms and Definitions": Add new definition clauses and revise existing scheduled descriptions, and introduce a standardized term database query website.
- Article 4 "Description": Added legends for push-pull valve, protective covers, handles, a clips and loops.
- Article 5 "Test Equipment and Tolerances": This article is a new clause, describing the test equipment and tolerances used.
- Article 6 "Construction and mechanical properties – General and sample preparation": Revise sample preparation and Pretreatment.
- Article 7 "Construction and mechanical requirements and tests": add and reorganize the test content, clarify that unless otherwise specified, new samples should be used for each test. Add decoration, inscription and decal requirements, and modify the test method.
- **Article 8 "Chemical requirements and test methods": Reorganize and subdivide, clarify that food contact materials need to meet the EU Food Contact Material Regulation (EC) 1935/2004 and related restrictions. Update "Other Requirements and Test Tables for Parts and Materials", the new chemical requirement, please refer to the Appendix 1. The update summary is as follows:**
  - Delete the BPA release requirement;
  - New requirements for formaldehyde, color fastness and primary aromatic amine;
  - The element migration requirements are divided into glass, metal and other plastic materials. The migration elements of plastic materials are increased from 8 items to 19 items. The glass element migration requirements are revised, and the metal element migration requirements are added.
- Annex A "Warning"-a new normative appendix, with warnings translated into 24 languages.



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- Annex B "Rationales"-is a new informative appendix that explains some of the requirements contained in the standard.
- Annex C "Method for the determination of 2-mercaptobenzothiazole (MBT) and antioxidants specified in Table 7"-The informative appendix has been revised and more detailed modifications.

## Appendix 1 Other requirements and tests to be carried out on components and materials

Component	Material	Volatiles	N-nitrosamines and N-nitrosatable substances	Migration of certain elements	MBT release	Antioxidants release	Formaldehyde	Colour fastness	Primary aromatic amines	Migration from glass and metal
Drinking accessories	plastic			x				x		
	TPE		x	x			x	x	x	
	silicone rubber	x	x	x			x	x		
	rubber		x	x	x	x	x	x	x	
Feeding bottle and drinking cup	glass									x
	plastic			x				x		
	silicone rubber	x		x			x	x		
	metal									x
	decorations			x				x		
Feeding bag	plastic			x				x		
Locking ring	plastic			x				x		
Sealing disc	plastic			x				x		
	silicone rubber	x		x			x	x		
	TPE			x			x	x	x	
Protective cover	plastic			x				x		
	TPE			x			x	x	x	
Handle and clip	plastic			x				x		
	TPE			x			x	x		

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