

TÜV Rheinland LGA Products – Information

May 2019

Toy Safety Directive 2009/48/EC / EN 71-3:2019 – Revised analytical standard for migration of certain elements

Adoption of final version of EN 71-3:2019 and start of its validity

On 10 April 2019, the European Committee for Standardization (CEN) published a new version of the analytical standard EN 71-3¹; prepared by the Technical Committee CEN/TC 52 "Safety of Toys" according to a mandate of the EU Commission.

This document supersedes EN 71-3:2013+A3:2018.

This European Standard shall be given the status of a national standard at the latest by October 2019, and conflicting national standards shall be withdrawn at the latest by 31 October 2019.

Harmonization of EN 71-3:2019 (citation in the Official Journal of the European Union (OJEU) for presumption of conformity with the European Directive on the safety of toys 2009/48/EC) is expected. Currently, EN 71-3:2013+A3:2018 is the legally binding version.

Technical Adaptations

Major changes consist of:

- New detection method for chromium (VI) with IC-ICP-MS (resulting in reduced LOQ)
- Improved detection method for organic tin compounds (resulting in reduced LOQ)
- Revised dewaxing method (new solvent and adapted temperature and time)

Minor changes include:

- Improvements of sampling
 - New Annex D concerning the use of visual particle size comparison materials (sieving of coatings is no longer required)
 - Removal of coatings from non-polymeric base material may be assisted by softening the coating with solvents
- Revision of the migration procedure (e.g. increased control of the pH value)
- Amendments concerning the detection method for general elements

Formal Adaptations and Supplements

- Editorial Changes to improve the user-friendness
 - Restructure of chapters for sampling, sample-preparation and migration
 - New table 3 for Concretization of sampling for different materials
- Additional Information
 - Current validation data in new clause 11 (results of Round Robin test) and new informative Annex C (estimation of reproducibility)
 - New informative Annex B (method development)
- References to the new migration limit for Chromium (VI) for Category III toy materials (scraped-off toy material) as amended by Commission Directive (EU) 2018/725 in Table 2 (migration limits), Table ZA.1 (Correspondence between this European Standard and Directive 2009/48/EC) and bibliography.

¹https://standards.cen.eu/dyn/www/f?p=204:110:0:::FSP_PROJECT,FSP_ORG_ID:40614,6036&cs=1393A2EDDDBB6CDA5D8F51C4ECFAF34A5

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