SLOVENSKI STANDARD
SIST EN 71-3:2013+A1:2014/oprA2:2016
01-december-2016

Varnost igrač - 3. del: Migracija določenih elementov - Dopolnilo A2

Safety of toys - Part 3: Migration of certain elements

Sicherheit von Spielzeug - Teil 3: Migration bestimmter Elemente

Sécurité des jouets - Partie 3 : Migration de certains éléments

Ta slovenski standard je istoveten z: EN 71-3:2013+A1:2014/prA2

<u>**ICS:**</u>

97.200.50   Igrače   Toys

SIST EN 71-3:2013+A1:2014/oprA2:2016 en,fr,de

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT

EN 71-3:2013+A1:2014

prA2

November 2016

ICS 97.200.50

English Version

Safety of toys - Part 3: Migration of certain elements

Sécurité des jouets - Partie 3 : Migration de certains éléments

Sicherheit von Spielzeug - Teil 3: Migration bestimmter Elemente

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 52.

This draft amendment A2, if approved, will modify the European Standard EN 71-3:2013+A1:2014. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Ref. No. EN 71-3:2013+A1:2014/prA2:2016:2016 E

EN 71-3:2013/prA2:2016 (E)

Contents

European foreword

This document (EN 71-3:2013/prA2:2016) has been prepared by Technical Committee CEN/TC 52 "Safety of toys", the secretariat of which is held by DS.

This document is currently submitted to the CEN Enquiry.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of EN 71-3:2013.

EN 71-3:2013/prA2:2016 (E)

1 Modifications to Annex F "Methods of analysis for speciation of Chromium (III) and (VI)"

Replace *in Table F.2* "Autosampler flush solvent 2 % methanol/95 % HPLC-grade water" *with* "Autosampler flush solvent 2 % methanol/98 % HPLC-grade water".

2 Modifications to Annex G "Method of analysis for organic tin (see H.10)"

Replace *the 2nd sentence of G.3.24 with the following:*

"Add 1,2 ml glacial acetic acid (G.3.3) to reach a pH of 4,5."

Add *the following note after the 1st paragraph of G.5.2:*

NOTE   It is important that calibration solutions for the requirements of Category I and II are adapted accordingly.

Replace *the second paragraph of G.6.1 with the following:*

Analyse the analytes in the Selective Ion Monitoring (SIM) mode (Table G.3) or Multiple Reaction Monitoring (MRM) mode (see Table xx and Figure xxx for examples).

Table xx — Example of MRM data

Analyte	Precur-sor ion	Quanti-fication ion	Collision Energy	Qualifi-cation ion 1	Collision Energy	Qualifi-cation ion 2	Collision Energy
MeT	193	165	5	137	10		
DProT	235	151	5	193	5	123	20
MBT (BuT)	235	151	10	179	5		
DBT	263	151	10	123	25		
TBT-d27	318	190	20	254	7,5		
TBT	291	179	10	235	5		
MOT	291	179	8				
	179			151	10		
TeBT-d36	318	190	10	254	7,5		
TeBT	291	179	10				
	235			123	7		
DPhT	303	197	20	275	10		

DOT	263	151	10	123	10		
TPhT-d15	366	120	25	201	20		5
TPhT	351	197	20	120	20		
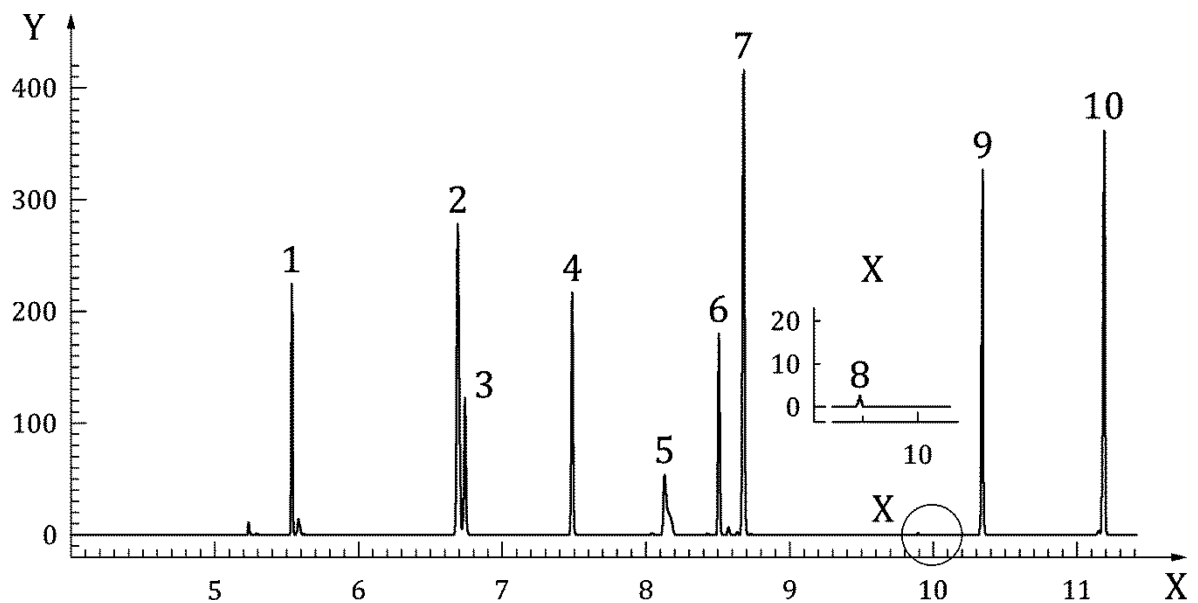
Key

X:	Time, min	5:	TBT/TBT-d27
Y:	Intensity, MCps	6:	MOT
1:	MeT	7:	TeBT/TeBT-d36
2:	DProT	8:	DPhT
3:	MBT (BuT)	9:	DOT
4:	DBT	10:	TPhT/TPhT-d15

Figure xx — Example of MRM Chromatogram

EN 71-3:2013/prA2:2016 (E)

3   Modifications to Annex H "Rationale"

Add *the following new paragraph to H.10 "Organic tin":*

The laboratory should take care of the quality and purity of the derivatisation reagent.

Recently it had been shown that inorganic tin substances may react under certain conditions with the derivatisation reagent sodium tetraethylborate (G.3.8) to form organic tin compounds (especially methyl tin). This may lead to false positive results for organic tin for example for coated tin toys where samples had been scraped off during sample preparation or wet oil paints stored in tinplate containers.

It is recommended to take special care in these circumstances to avoid false positive results by

— repeating the scrape off process by avoiding the scrape off of metallic parts and/or

— using a further organic tin method (e.g. ISO/TS 16179) for confirming the EN 71-3 results.

This subject of possible false results will lead to an improved method on organic tins in a revised future version of EN 71-3.

4   Modifications to Bibliography

Add the following literature to the bibliography:

[13]   ISO/TS 16179, *Footwear - Critical substances potentially present in footwear and footwear components - Determination of organotin compounds in footwear materials*