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Schilsner Industry Group Sp. z o.o.  
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14.07.2023

Report No. 0001143361/70 AZ 609566  
Test item: One sample of coated ABS edge band  
Identification: B75004C30011 (used for ABS edge band)  
Details see on the following pages  
Condition at delivery: No claim  
Date of delivery: 27.06.2023  
Place of testing: Cologne, Nuremberg  
Test period: 29.06.2023 to 14.07.2023  
Test scope: Parameters selected by customer  
Test specification: IKEA IOS-MAT-0054 Vers. AA-92520-13 dated 2022-03-28  
IKEA IOS-MAT-0195 Vers. AA-2208470-3 dated 2022-03-28  
IKEA IOS-MAT-0207 Version AA-2291517-3 dated 2022-03-30  
IKEA IOS-MAT-0139 Vers. AA-2060515-5 dated 2022-03-28 / 16 CFR 1307  
16 CFR 1303: Lead in paint (CPSC-CH-E1003)  
CPSIA 2008 Title 1 Section 108 (CPSC-CH-C1001)

tested by:

tested by:

14.07.2023



Sachverständige(r)/Expert  
Signiert von: Anika Carl

14.07.2023



Sachverständige(r)/Expert  
Signiert von: Fatema Es-Saddiki

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Supplier name	Schilsner Industry Group Sp. z o.o.
Address	ul. Bierutowska 77 51-317 Wrocław
VAT No.	895-184-47-99
Contact person	Maciej Żdanowicz
E-Mail address	m.zdanowicz@schilner.pl

IKEA Supplier number:	xxxx
Article name:	B75004C30011 (used for ABS EDGE BAND)
Article No.:	-
Date stamp of article:	06.03.2023
What component of the article has to be tested:	COATING
Which other articles are covered by the same test?	-
Date of sampling	06.03.2023

coating type	lacquer (trade name)	batch number
Top coat	B75004C30011	549141
Coating producer: [REDACTED]	Producer applying the coating: SCHILSNER	
Substrate: ABS edge band	Coating binder: acrylic	Coating line: LW01
How/ When sample was taken: sample was taken from available stock on 06/03/2023		
Vertical & Horizontal surface		Coating colour: transparent

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## Photo documentation

Picture 1: B75004C30011 (used for ABS edge band)



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## List of materials

Article	Article name
1	B75004C30011 (used for ABS edge band)

Mat. No.	Article	Component	Material	Colour
001	1	Coating	varnish	white

## Results

### EN 71-3, Migration of certain elements, category 3

Sample composition	Mat. 001			
Sample No.	609566-004			
Unit	mg/kg			
<b>Migratable elements, material testing</b>				
Dewaxing	n			
Aluminium	<100			
Antimony	<5			
Arsenic	<1			
Barium	<100			
Boron	<10			
Cadmium	<0,1			
Chromium, total	<0,05			
Chromium (III)	<0,05			
Chromium(VI)	<0,05			
Cobalt	<1			
Copper	<10			
Lead	<1			
Manganese	<100			
Mercury	<1			
Nickel	<10			
Selenium	<5			
Strontium	<100			
Tin*	<3			
Zinc	<100			

n no

Maximum values according to the toy safety-directive 2009/48/EC:

Category 3: Scraped off toy material:

aluminium 28130 mg/kg, antimony 560 mg/kg, arsenic 47 mg/kg, barium 18.750 mg/kg, boron 15.000 mg/kg, cadmium 17 mg/kg, chromium(III) 460 mg/kg, chromium(VI) 0.053 mg/kg, cobalt 130 mg/kg, copper 7.700 mg/kg, lead 23 mg/kg, manganese 15.000 mg/kg, mercury 94 mg/kg, nickel 930 mg/kg, selenium 460 mg/kg, strontium 56.000 mg/kg, tin 180.000 mg/kg, zinc 46.000 mg/kg

\*Tin: If the migration of tin is less than the reporting limit the compliance with the limit value of 12 mg/kg can be confirmed.  
 The determination of tin organic compounds is not required in regards to metals.

### Migration of certain elements

Sample composition	Mat. 001			
Sample No.	609566-005			
Unit	mg/kg			
<b>Soluble heavy metals</b>				
Antimony	<5			
Arsenic	<1			
Barium	<100			
Cadmium	<0,1			
Chromium	<1			
Lead	<1			
Mercury	<1			
Selenium	<5			

Results refer to the analysis results of EN 71-3 and are reported under consideration of an analytical correction factor given by 4.2 of the method.

Analytical correction according to ISO 8124-3: Antimony 60 %, Arsenic 60 % , Barium 30 %, Cadmium 30 %, Chromium 30 %, Lead 30%, Mercury 50 %, Selenium 60 %.

Maxim acceptable migration value according to ISO 8124-3: Antimony 60 mg/kg, Arsenic 25 mg/kg, Barium 1.000 mg/kg, Cadmium 75 mg/kg, Chromium 60 mg/kg, Lead 90 mg/kg, Mercury 60 mg/kg, Selenium 500 mg/kg.

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**Lead total varnish, USA**

<b>Sample composition</b>	<b>Mat. 001</b>				
Sample No.	609566-001				
Unit	mg/kg				
<b>Lead</b>	<10				

Limit values:

Coatings: 40 mg/kg

**Metals, total content at decomposition**

<b>Sample composition</b>	<b>Mat. 001</b>				
Sample No.	609566-002				
Unit	mg/kg				
<b>Cadmium</b>	<5				

Limit values:

Generally cadmium 40 mg/kg

**Phthalates, CPSC**

Sample composition		Mat. 001		
Sample No.	CAS-Nr.	609566-003		
Unit		mg/kg		
<b>Phthalates, total</b>		n.n./n.d.		
Dimethylphthalate, DMP	131-11-3	<50		
Diethylphthalate, DEP	84-66-2	<50		
Dipropylphthalate, DPP	131-16-8	<50		
Dibutylphthalate, DBP	84-74-2	<50		
Diisobutylphthalate, DIBP	84-69-5	<50		
Di-n-pentylphthalate, DnPP	131-18-0	<50		
n-Pentyl-isopentyl phthalate, PiPP	776297-69-9	<50		
Diisopentylphthalate DiPP	605-50-5	<50		
Di-n-hexyl phthalate, DnHP	84-75-3	<50		
Dicyclohexylphthalate, DCHP	84-61-7	<50		
Benzylbutylphthalate, BBP	85-68-7	<50		
1,2-Benzenedicarboxylic acid, di-C6 -8-branched alkyl esters, C7-rich, DIHP	71888-89-6	n.n./n.d.		
1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl ester, DHNUP	68515-42-4	n.n./n.d.		
Bis-(2-ethylhexyl)phthalate, DEHP	117-81-7	<50		
Di-n-octylphthalate, DNOP	117-84-0	<50		
Di-n-nonyl phthalate, DnNP	84-76-4	n.n./n.d.		
Diisononylphthalate, DINP	28553-12-0	<50		
Diisodecylphthalate, DIDP	26761-40-0	<50		
Bis-(2-methoxyethyl) phthalate, BMEP	117-82-8	<50		
Bis(2-n-butoxyethyl)phthalate, BBEP	117-83-9	<50		
Bis(4-methyl-2-pentyl)phthalate, BMPP	146-50-9	<50		
Bis(2-ethoxyethyl)phthalate, BEEP	605-54-9	<50		
Butyloctylphthalate	84-78-6	<50		
Hexyl-2-ethylhexylphthalate, HEHP	75673-16-4	<50		
Diphenylphthalate	84-62-8	<50		
Dibenzylphthalate	523-31-9	<50		
1,2-Benzenedicarboxylic acid, di-C7-9-branched and linear alkyl esters	68515-41-3	n.n./n.d.		
1,2-Benzenedicarboxylic acid, di-C9-11-branched and linear alkyl esters	68515-43-5	n.n./n.d.		
Diisooctylphthalate	27554-26-3	n.n./n.d.		
1,2-benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	n.n./n.d.		
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	n.n./n.d.		
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5	n.n./n.d.		
Diisohexyl phthalate	71850-09-4	n.n./n.d.		
Di-n-undecyl phthalate	3648-20-2	n.n./n.d.		
Additional Phthalates detected*		n.n./n.d.		

n.n./n.d. not detectable

Limit values: 100 mg/kg per compound, 250 mg/kg total

\*identified with NIST Database, calculated with DEHP (m/z 149) as no standards are available

## Summary of methods

<b>EN 71-3, Migration of certain elements, category 3</b>	<b>Standard:</b> EN 71-3:2019+A1:2021	<b>Issue date:</b> 01.04.21
Method description: Safety of toys - Part 3: Migration of certain elements and chromium(VI) from toy materials of category III - Analysis of the elements by ICP-MS and chromium(VI) by ion chromatography		
Notes: Hint: Toys that have been tested according to and comply with EN 71-3:2019+A1:2021 also meet the requirements of BS EN 71-3:2019		
<b>Lead total varnish, USA</b>	<b>Standard:</b> MS-0022823*	<b>Issue date:</b> 02.06.21
Method description: Determination of the total content of lead after decomposition according to ASTM E 1645-01 (Standard Practice for Preparation of Dried Paint Samples by Hotplate or Microwave Digestion for Subsequent Lead Analysis), quantification by ICP according to ASTM E 1613-12 (Standard Test Method for Determination of Lead by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES), Flame Atomic Absorption Spectrometry (FAAS), or Graphite Furnace Atomic Absorption Spectrometry (GFAAS) Techniques), as far as possible identical to CPSC-CH-E1003-09.		
Notes: The result is stated in µg/Probe when the material quantity is <10 mg per test item and the analysis is based on the maximal available material quantity at the sample.		
* in-house working instruction		
<b>Metals, total content at decomposition</b>	<b>Standard:</b> MS-0022823*	<b>Issue date:</b> 02.06.21
Method description: In-house method - Determination of heavy metals after decomposition according to EPA 3052, quantification by ICP-OES according to DIN EN ISO 11885 respectively ICP-MS according to DIN EN ISO 17294-2.		
Notes: * in-house working instruction		
<b>Migration of certain elements</b>	<b>Standard:</b> ISO 8124-3	<b>Issue date:</b> 01.03.23
Method description: Safety of toys - Part 3: Migration of certain elements, including information according to part 4.2 adjusted analysis result.		
<b>Phthalates, CPSC</b>	<b>Standard:</b> CPSC-CH-C1001-09.4	<b>Issue date:</b> 01.01.18
Method description: Determination of selected phthalates after extraction with organic solvent, quantification by GC-MS according to: CPSC-CH-C1001-09.4		
Notes: Not quantifiable compounds e.g. technical mixtures or isomers are marked with *. The indication of results for non quantifiable compounds is d = detected. In the report only the quantifiable respectively detected compounds are stated, however all listed compounds are analysed.		

## Version directory

Version No.	Report No.	List of changes	Date
1	0001143361/70 AZ 609566	First edition	2023-07-14

Only the version last shown in the version directory is valid. The previous version(s) shown in the table lose their validity immediately. The customer has to make sure that the previous versions are no longer taken into account.

----End of report----