

TÜV Rheinland LGA Products GmbH · Am Grauen Stein 29 · 51105 Köln
Schilsner Industry Group Sp. z o.o.
Ul. Bierutowska 77
51-317 Wrocław
POLAND

Contact
E-Mail
Phone
Fax
Cologne,

Anika Carl
Anika.Carl@tuv.com
+49 221/806-5036
+49 221/806-2882
13.07.2023

Report No. 0001143361/30 AZ 609556
Test item: One sample of ABS edge band
Identification: ABS edge band white
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 13.07.2023
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-0139 Vers. AA-2060515-5 dated 2022-03-28 / 16 CFR 1307
15 USC 1278a: Total lead content (CPSC-CH-E1002)
CPSIA 2008 Title 1 Section 108 (CPSC-CH-C1001)

tested by:

13.07.2023

X 

Sachverständige(r)/Expert
Signiert von: Anika Carl

tested by:

13.07.2023

X 

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:	ABS EDGE BAND [REDACTED]
Article No.:	-
Date stamp of article:	08.06.2023
What component of the article has to be tested:	ABS edge band
Which other articles are covered by the same test?	All thicknesses: 0.4-3.0 [mm]
Date of sampling	08.06.2023
Article producer:	SCHILSNER Industry Group Polska Sp. z o.o.
How/ When sample was taken	sample was taken from stock produced on 08.06.2023
Production line:	LW02

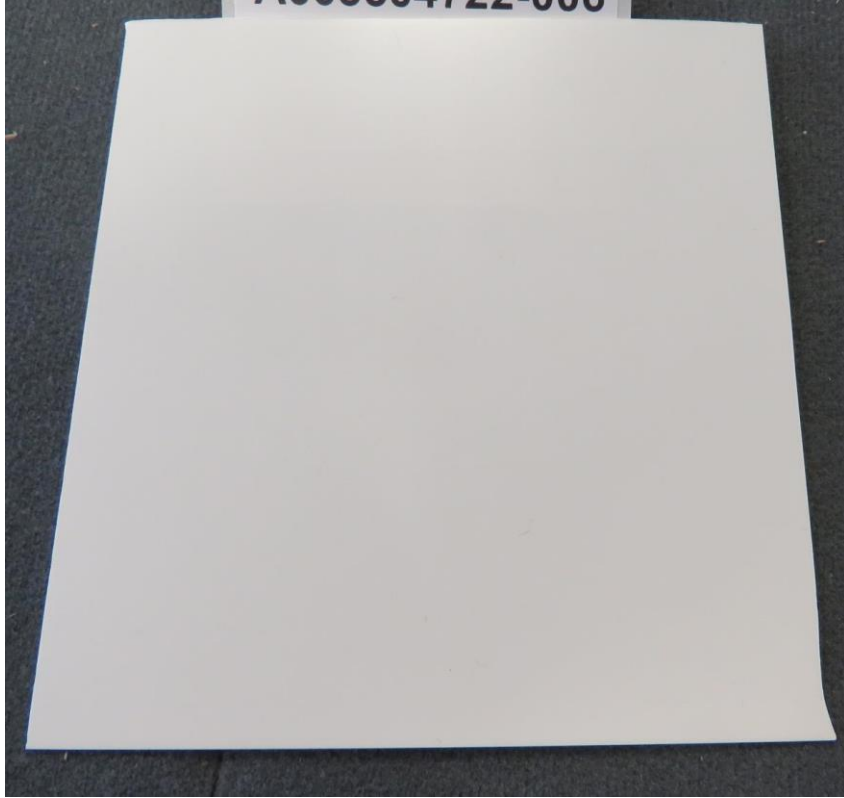
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Photo documentation

Picture 1: ABS edge band white



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List of materials

Article	Article name
1	ABS edge band white

Mat. No.	Article	Component	Material	Colour
001	1	Base material	ABS	white

Results

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

Sample composition	Mat. 001			
Sample No.	609556-003			
Unit	mg/kg			
Migratable elements, material testing				
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.

Lead total basic material, USA

Sample composition	Mat. 001			
Sample No.	609556-001			
Unit	mg/kg			
Lead	<10			

Limit values:

40 mg/kg for polymeric (plastics, silicone, rubber, latex, elastomers), PU-foam, latex-foam, label, textiles
 90 mg/kg for wood, natural materials, glass, ceramics, enamel

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Migration of certain elements

Sample composition	Mat. 001				
Sample No.	609556-004				
Unit	mg/kg				
Soluble heavy metals					
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.

Phthalates, CPSC

Sample composition		Mat. 001		
Sample No.	CAS-Nr.	609556-002		
Unit		mg/kg		
Phthalates, total		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

EN 71-3, Migration of certain elements, category 3	Standard: EN 71-3:2019+A1:2021	Issue date: 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		
Lead total basic material, USA	Standard: MS-0022823*	Issue date: 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-E1002-08.		
Notes: * in-house working instruction		
Migration of certain elements	Standard: ISO 8124-3	Issue date: 01.03.23
Method description: Safety of toys - Part 3: Migration of certain elements, including information according to part 4.2 adjusted analysis result.		
Phthalates, CPSC	Standard: CPSC-CH-C1001-09.4	Issue date: 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	0001143361/30 AZ 609556	First edition	2023-07-13

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----