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Client: BELEDUC LERNSPIELWAREN GMBH

Contact Information: Heinrich-Heine-Weg 2 09526 Olbernhau / Germany

Test item(s): Toy

Identification/ Model No(s): Refer to detail list

Sample obtaining method: Sending by customer

Sample Receiving date: 2020-11-24

Testing Period: 2020-11-24 to 2020-11-27

Test Specification:	Test result:
1. EN 71-1:2014+A1:2018 Mechanical and physical properties	PASS
2. 2009/48/EC CE marking	PASS
3. 2009/48/EC Labeling Requirement (Importer/ Manufacturer Mark, Product Identification, Washing/ Cleaning instruction)	Please refer to result page
4. EN 71-2:2011+A1:2014 Flammability	PASS
5. EN 71-3:2019 Migration of 19 Elements	PASS
6. Commission Directive (EU) 2019/1922, amendment of Directive 2009/48/EC, Migration of aluminum	PASS

Other information:

Packaging provided: Artwork
 The provided age grade of the item: Over 36 months.
 The appropriate age grade of the item: Over 36 months.
 The item was tested over 36 months.

For and on behalf of
 TÜV Rheinland (Shanghai) Co., Ltd.



2021-01-12

Gary Zhu / Assistant Manager

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed. This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

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HAPE NEW NO.	BEL NO.	DESCRIPTION	中文描述	Test Age group
B64361	64361	Carousel - part 1	魔力转盘（新）——底部	36M+
B64362	64362	Carousel - part 2	魔力转盘（新）——旋转部分	36M+



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Material List:

Item: Refer to detail list

Material No.	Material	Color	Location
M001	Whole Product	Multi-color	Refer to photo
M003	Plastic	Black	PP cap
M004	Coating	Orange	On stainless
M008	Wood + coating	Black + Nature	Plywood with black flim



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#1.EN 71-1:2014+A1:2018 Mechanical and physical properties

	Test No:	T001
	Material No:	M001
4. General requirements		
4.1 Material cleanliness		PASS
4.2 Assembly		PASS
4.7 Edges		PASS
4.8 Points and metallic wires		PASS

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.

The test is not covered by CNAS accreditation.



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#2.2009/48/EC CE Marking

Test result:

	Test No:	T001
	Material No:	M001
CE-marking		PASS

The test is not covered by CNAS accreditation.

#3.2009/48/EC Labeling Requirement (Importer/ Manufacturer Mark, Product Identification, Washing/ Cleaning instruction)

Test result:

	Test No:	T001
	Material No:	M001
Importer/ Manufacturer Mark (European Company name and address)+		Present on product and package
Product Identification - type, batch, serial or model number+		Present on product and package

Remark:

+ These labeling shall be indicated on the toy, or where that is not possible, on its packaging or in a documents accompanying the toys.

The correct adherence to all requirements according to directive 2009/48/EC in regards to the marking (name or trademark and contact address of the manufacturer respectively the marking for identification [type, batch, model or serial no.])of the toy can only be confirmed by the manufacturer, his delegate or the person who brings it onto the market. The marked article were assessed, however, they can not be evaluated in the frame of this test.

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4. EN 71-2:2011+A1:2014 Flammability**Test result:**

	Test No:	T001
	Material No:	M001
4.1 General		PASS

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.



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#5. EN 71-3:2019 Migration of 19 Elements - with reference to 2009/48/EC and its amendments

Test Method: with reference to EN 71-3:2019, analyzed by ICP-OES or / ICP-MS / LC-ICP-MS.

3) For scraped-off toy materials:
Test Result:

				Test No.	T001	T002	T004
				Material No.	M003	M004	M008
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result	Result
Aluminium (Al)Σ	mg/kg	10	70,000	< RL	35.8	12.8	
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL	
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL	
Barium (Ba)	mg/kg	2.5	18,750	4.6	422	14.2	
Boron (B)	mg/kg	10	15,000	< RL	< RL	< RL	
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL	
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL	
Chromium VI (Cr(VI))	mg/kg	0.045	0.053 Ø	< RL	< RL	< RL	
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	< RL	
Copper (Cu)	mg/kg	2.5	7,700	< RL	< RL	< RL	
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL	
Manganese (Mn)	mg/kg	2.5	15,000	< RL	4.6	89.8	
Mercury (Hg)	mg/kg	2.5	94	< RL	< RL	< RL	
Nickel (Ni)	mg/kg	2.5	930	< RL	< RL	< RL	
Selenium (Se)	mg/kg	10	460	< RL	< RL	< RL	
Strontium (Sr)	mg/kg	2.5	56,000	< RL	17.2	2.8	
Tin (Sn)	mg/kg	1.0	180,000	< RL	< RL	< RL	
Organic Tin^	mg/kg	0.2	12	-	-	-	
Zinc (Zn)	mg/kg	10	46,000	< RL	12.3	21.5	

Abbreviation: < less than
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram
 ^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal
 Ø The requirement applies from 18 November 2019 according to Commission Directive (EU) 2018/725



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Remark:

- * Categorization of toys materials is based on the material texture. According to point H.11 of Annex H to EN 71-3:2019, cosmetic materials with dry, brittle, powder like or pliable texture such as lipstick and eyeshadow are considered as category I materials. However, as a reminder, it cannot preclude the possibility that some national enforcement authorities might take a more stringent action to treat cosmetic materials as sticky and evaluate according to category II requirement as they are intended to be applied on skin and retained for long time.
- Σ According to Commission Directive (EU) 2019/1922, the amendment of Directive 2009/48/EC, migration limits for aluminum in i) dry, brittle, powder-like or pliable toy materials; ii) liquid or sticky toy materials; and iii) scraped-off toy materials will be revised to 2250 mg/kg, 560 mg/kg and 28130 mg/kg, respectively. Effective from 20 May 2021.

The test is not covered by CNAS accreditation.



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#6. Commission Directive (EU) 2019/1922, amendment of Directive 2009/48/EC, Migration of Aluminium

Test Method: with reference to EN 71-3:2019, analyzed by ICP-OES / ICP-MS.

3) For scraped-off toy materials:

Test Result:

				Test No.	T001	T002	T004
				Material No.	M003	M004	M008
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result	Result
Aluminium (Al)	mg/kg	10	28130	< RL	35.8	12.8	

Abbreviation: < less than
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram

The test is not covered by CNAS accreditation.
 # The test is not covered by DAKKS accreditation.

Testing Laboratory accredited by DAKKS according to DIN EN ISO/IEC 17025. The accreditation is valid for the test methods stated in the certificate.
 Testing Laboratory accredited by CNAS according to ISO/IEC 17025. The accreditation is valid for the test methods stated in the certificate.



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Sample Photo



B64361&&B64362

- END -



