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**Client:** BELEDUC LERNSPIELWAREN GMBH  
Heinrich-Heine-Weg 2 Olbernhau, Germany

**Test item(s):** Toy

**Identification/** Refer to detail list

**Model No(s):**

**Sample Receiving date:** 2016-07-21

**Testing Period:** 2016-07-21 - 2016-08-08

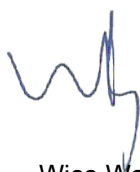
<b>Test Specification:</b>	<b>Test result:</b>
1. ASTM F963-11: Mechanical & physical	PASS
2. ASTM F963-11: Flammability on fabrics	PASS
3. ASTM F963-11: Flammability on solids and soft toys	PASS
4. CPSIA Sect 103: Tracking label	PASS
5. ASTM F963-11 Sect. 4.3.5.1 and 4.3.5.2 : Soluble heavy metal	PASS
6. ASTM F963-11 Sect. 4.3.5.1 and CPSIA Sect. 101:Total lead content in paint and coating materials	PASS
7. ASTM F963-11 Sect. 4.3.5.2 and CPSIA Sect. 101:Total lead content in substrate materials	PASS

**Other information:**

B11130:  
The provided age grade of the item: Over 24 months.  
The appropriate age grade of the item: Over 24 months.  
The item was tested over 24 months.

B25560:  
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.  
Packaging provided: Artwork

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



2016-08-15 Wice Wang / Section Manager

*Date* *Name/Position*

*Test result is drawn according to the kind and extent of tests performed.  
This test report relates to the a. m. 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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Item no.	Item Description EN	Providing Age group	Testing age
B11130(11130)	match mix kids	36M+	24M+
B25560(25560)	XXL Candy	36M+	36M+

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**Material List:**

Item: Refer to detail list

Material No.	Material	Color	Location	Remark
M001	Whole Product	Multi-color	B11130(11130)	
M002	Whole Product	Multi-color	B25560(25560)	
M003	Coating	Multi-color	Pattern on wood, 11130	
M004	Textile	Dk.blue	Main fabric of mat, 25560	
M005	Textile	Dk.blue	Piping of mat, 25560	
M006	Textile	White/Multi	'beleduc' label of mat, 25560	
M007	Plastic + printing + paper + adhesive	Multi-color	CMYK sticker on wood, 25560	
M008	Wood	Nature	Plywood	Refer to 0154142223/M004
M009	Wood	Nature	MDF	Refer to 0154142223/M005
M011	Coating	Black	On wood	Refer to 0154152379/M009
M012	Coating	Transparent	On wood	Refer to 0154142223/M015
M013	Coated textile	White/Black	Sewn-in label	Refer to 0154156870/M021
M014	Coating	Yellow	On wood	Refer to 0154145751/M012
M015	Coating	Red	On wood	Refer to 0154142223/M006
M016	Coating	Orange	On wood	Refer to 0154142223/M007
M017	Coating	Dk.blue	On wood	Refer to 0154142223/M012
M018	Coating	Lt.green	On wood	Refer to 0154142223/M010
M019	Coating	White	On wood	Refer to 0154152394/M019

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**1.ASTM F963-11: Mechanical and physical**
**Test result:**

Test No:	T002
Material No:	M001-M002
<b>4. Safety requirements</b>	
4.1 Material Quality (visual check)	PASS
4.6 Small objects	PASS*1
4.7 Accessible edges	PASS
4.9 Accessible points	PASS
4.12 Plastic film	PASS*2
<b>6. Instructional literature</b>	
6.1 Definition and description	PASS
<b>7. Producer's markings</b>	
7.1 Name and address of the producer or the distributor	PASS

**Use and Abuse Tests:**

The submitted samples were undergone the use and abuse tests in accordance with FHSA 16 CFR and whichever is applicable the tested age grade.

Age Category	ImpactTest	Flexure Test	Torque Test	Tension Test	Compression Test
0-18 Months 16 CFR 1500.51	10 x 4.5 ft	120 Arc 30 Cycles 10 lbs	2 in-lbs	10 lbs	20 lbs
19-36 Months 16 CFR 1500.52	4 x 3 ft	120 Arc 30 Cycles 15 lbs	3 in-lbs	15 lbs	25 lbs
37-96 Months 16 CFR 1500.53	4 x 3 ft	120 Arc 30 Cycles 15 lbs	4 in-lbs	15 lbs	30 lbs

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

**Remark:**

- \*1 This clause is only applicable to M001
- \*2 This clause is only applicable to M002

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**2.ASTM F963-11: Flammability on fabrics**

Test Method: American National Standard ASTM F963 : 2011 Annex A6, in conformance with the requirements of 16 CFR 1500.3 (c) (6) (vi)

<b>4.2 Flammability on fabrics</b>	<b>PASS</b>
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**Test requirement**

Type	Fabric	Limit
A	Plain Surface Fabric	Average flame spread time $\geq$ 3.5 sec
B	Raised Surface Fabric	Average flame spread time $\geq$ 4 sec

**Test result**

Test No.	Material No.	Type	Average Time of Flame Spread (second)	Result
T001	M004	A	DNI	Pass

Test No.	Material No.	Type	After 5 laundering drying cycles	Result
T001	M004	A	DNI	Pass

**Abbreviation:**

<b>For Plain Surface Fabric :</b>	
DNI	Do not ignite
IBE	Ignited but extinguished
*IBE	Ignited but extinguished. A burn goes under the cord but without breaking the cord
_._ sec	Actual burn time measured and recorded by the timing device
<b>For Raised Surface Fabric :</b>	
SF uc	Surface flash, under the stop thread, but does not break the stop thread
SF pw	Surface flash, part way. No time shown because the surface flash did not reach the stop thread
SF poi	Surface flash, at the point of impingement only (equivalent to "did not ignite" for the plain surface)
_._ sec	Actual burn time measured by the timing device in 0.0 seconds
_._ SF only	Time in seconds, surface flash only. No damage to the base fabric
_._ SFBB	Time in seconds, surface flash base burn. Base starts burning at points other than the point of impingement
_._ SFBB poi	Time in seconds, surface flash base burn starting at the point of impingement

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**3.ASTM F963-11: Flammability on solids and soft toys****Test result:**

	Test No:	T001
	Material No:	M001-M002
<b>4.2 Flammability on solids and soft toys</b>		PASS

The burning rate of the most severe part = DNI

Note: Maximum permissible burning rate = 0.1 Inch/sec.

**Abbreviation:** DNI = Did Not Ignite / IBE = Ignite But Self-extinguish

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**#4.CPSIA Sect 103: Tracking label****Test Result:**

	Test No:	T001
	Material No:	M001-M002
Present On Packaging		PASS
Present On Product		PASS

# The test is not covered by CNAS accreditation.

# The test is not covered by DAkkS accreditation.

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**5.ASTM F963-11 Sect. 4.3.5.1 and 4.3.5.2 : Soluble heavy metal**

Test Method: For paint and similar surface-coating materials: ASTM F963-11 Section 8.3 and ASTM F963-11 Section 8.3.2 Method to Dissolve Soluble Matter for Surface Coatings

For substrate: ASTM F963-11 Section 8.3.5 Soluble Element Test Method for Substrate Materials

This requirement applies to the coating and substrate materials which the sample weight is greater than 10 mg

<b>ASTM F963-11 Sect. 4.3.5.1 and 4.3.5.2</b>	<b>Soluble heavy metals</b>	<b>PASS</b>
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**Test Result:**

Test No.	Material No.	[mg/kg]							
		Sb	As	Ba	Cd	Cr	Pb	Hg	Se
		Maximum Permissible Limit of Any Toy Materials except Modelling Clay							
		60	25	1000	75	60	90	60	500
		Maximum Permissible Limit of Modelling Clay							
		60	25	250	50	25	90	25	500
		MDL							
		2.5	2.5	2.5	2.5	2.5	2.5	2.5	
T001	M003	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
T002	M004	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
T003	M005	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
T004	M006	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
T005	M007	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
T006	M008(*1)	n.d.	n.d.	3.2	n.d.	n.d.	n.d.	n.d.	n.d.
T007	M009(*1)	n.d.	n.d.	4.5	n.d.	n.d.	n.d.	n.d.	n.d.
T008	M011(*1)	n.d.	n.d.	2.7	n.d.	n.d.	n.d.	n.d.	n.d.
T009	M012(*1)	n.d.	n.d.	2.7	n.d.	n.d.	n.d.	n.d.	n.d.
T010	M013	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
T011	M014(*1)	n.d.	n.d.	2.7	n.d.	n.d.	n.d.	n.d.	n.d.
T012	M015(*1)	n.d.	n.d.	3.6	n.d.	n.d.	n.d.	n.d.	n.d.
T013	M016(*1)	n.d.	n.d.	3.6	n.d.	n.d.	n.d.	n.d.	n.d.
T014	M017(*1)	n.d.	n.d.	2.5	n.d.	n.d.	n.d.	n.d.	n.d.
T015	M018(*1)	n.d.	n.d.	5.0	n.d.	n.d.	n.d.	n.d.	n.d.
T016	M019(*1)	n.d.	n.d.	3.1	n.d.	n.d.	n.d.	n.d.	n.d.

**Abbreviation:** n.d. = Not Detected (< RL)  
 RL = Reporting Limit  
 mg/kg = milligram per kilogram

**Remark:**

\*1 The material is deemed comply with the requirement of ASTM F963 cl. 8.3.4.3 after analytical correction.



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*Analytical Correction*

Element	<b>Sb</b>	<b>As</b>	<b>Ba</b>	<b>Cd</b>	<b>Cr</b>	<b>Pb</b>	<b>Hg</b>	<b>Se</b>
Analytical Correction (in %)	60	60	30	30	30	30	50	60

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**6.ASTM F963-11 Sect. 4.3.5.1 and CPSIA Sect. 101:Total lead content in paint and coating materials**

Test Method: CPSC-CH-E1003-09.1 (Microwave method)

**Test result**

<b>ASTM F963-11 Sect. 4.3.5.1</b>	Total lead content in paint and coating materials	<b>PASS</b>
<b>CPSIA Sect. 101</b>	Total lead content in paint and coating materials	<b>PASS</b>

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M003	Total Pb	ppm	10	90	n.d.
T002	M011	Total Pb	ppm	10	90	n.d.
T003	M012	Total Pb	ppm	10	90	n.d.
T004	M014	Total Pb	ppm	10	90	n.d.
T005	M015	Total Pb	ppm	10	90	n.d.
T006	M016	Total Pb	ppm	10	90	n.d.
T007	M017	Total Pb	ppm	10	90	n.d.
T008	M018	Total Pb	ppm	10	90	n.d.
T009	M019	Total Pb	ppm	10	90	n.d.

**Abbreviation:** n.d. = Not Detected (< RL)  
 RL = Reporting Limit  
 ppm = parts per million

**Remark:**

Requirement according to Consumer Product Safety Improvement Act 2008 Public Law 110-314, section 101, is summarized below:

Effective Date	<b>Maximum Permissible Limit</b> Lead in paint and similar surface coating
1 year after enactment/ 14 Aug 2009	90 ppm

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**7.ASTM F963-11 Sect. 4.3.5.2 and CPSIA Sect. 101:Total lead content in substrate materials**

Test Method: CPSC-CH-E1001-08.3 and CPSC-CH-E1002-08.3 (Microwave method)

**Test result**

<b>ASTM F963-11 Sect. 4.3.5.2</b>	<b>Total lead content</b> in substrate materials	<b>PASS</b>
<b>CPSIA Sect. 101</b>	<b>Total lead content</b> in substrate materials	<b>PASS</b>

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M007	Total Pb	ppm	10	100	n.d.
T002	M008	Total Pb	ppm	10	100	n.d.
T003	M009	Total Pb	ppm	10	100	n.d.
T004	M013	Total Pb	ppm	10	100	n.d.

**Abbreviation:** n.d. = Not Detected (< RL)  
 RL = Reporting Limit  
 ppm = parts per million

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**Remark:**

Requirement according to Consumer Product Safety Improvement Act 2008 Public Law 110-314, section 101, is summarized below:

Effective Date	<b>Maximum Permissible Limit</b> Lead in accessible substrate materials
180 days after enactment/10 Feb 2009	600 ppm
1 year after enactment/14 Aug 2009	300 ppm
3 years after enactment/14 Aug 2011	100 ppm

- \*2 According to Consumer Product Safety Commission, exemptions for lead as used in certain parts of children's electronic devices, the following lead-containing components are granted the exemptions :
- Glass of cathode ray tubes, electronic components and fluorescent tubes
  - As an alloying element in steel, the maximum amount of lead shall be less than 0.35% by weight (3,500 ppm);
  - Used in the manufacture of aluminum, the maximum amount of lead shall be less than 0.4% by weight (4,000 ppm);
  - Used in copper-based alloys, the maximum amount of lead shall be less than 4% by weight (40,000 ppm);
  - Lead-bronze bearing shells and bushings;
  - Compliant pin connector systems;
- \*3 According to Consumer Product Safety Commission, the following materials are exempted based on they are untreated and unadulterated with respect to the addition of materials or chemicals, including pigments, dyes, coatings, finishes or any other substance, and that do not undergo any processing that could result in the addition of lead into the product or material:
- Precious gemstones: diamond, ruby, sapphire or emeralds;
  - Semiprecious gemstones provided that the mineral or material is not based on lead and is not associated with mineral based on lead or lead compounds;
  - Natural or cultured pearls;
  - Wood;
  - Paper and similar materials made from wood or cellulosic fiber;
  - Dyed or undyed textiles (cotton, wool, hemp, nylon, yam, etc.);
  - CMYK process printing inks;
- \*5 According to Consumer Product Safety Commission, the aluminum alloy components on children's ride-on tractors, children's ride-on cars, and other ride-on toys for children ages 3 years and older are granted to have a 300 ppm lead limit.
- \*4 According to H.R. 2715, the following functional purpose children's products are granted the exemptions:
- Off-highway motorized vehicles;
  - Bicycles and related products (the lead limit for metal components described in June 20, 2009 "Notice of Stay of Enforcement Pertaining to Bicycles and Related Products" continue to be applied until December 31, 2011. After the date, these metal components must meet a 300 ppm total lead limit.);
  - Resale of used children's products (excluding children's jewelry or any children's product for which known to be violated the lead limit).

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 Photos



B11130(11130)



B25560(25560)

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