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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
Condition at delivery: Test item complete and undamaged.
Sample Receiving date: 2023-08-09
Testing Period: 2023-08-09 to 2023-08-17
Place of testing: Toys laboratory Shanghai

Test Specification:	Test result:
1. ASTM F963-17: Mechanical and physical	PASS
2. ASTM F963-17: Flammability on solids and soft toys	PASS
3. CPSIA Sect 103: Tracking label	PASS
4. CPSC 16 CFR 1500.48, 1500.49, 1501 Mechanical and Physical Test	PASS
5. Flammability Test of Rigid and Pliable Solids (Part 1500.3(C)(6)(VI) 16 C.F.R. U.S.A.)	PASS

Other information:

Country of Origin: China
Sales Destination: Global
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.
#The photo(s) was/were provided by client.
*Only model no. 27080,27081,27090,27091,27092,27093,27094,27095,27096 were tested

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



2023-08-18

Date


Neo Yang / Assistant Manager

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.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Hape Item No	BEL NO.	DESCRIPTION	中文描述	Test Age group
B27080	27080	Plug it"activity house"	洞洞板系列-活动屋	3Y+
B27081	27081	Plug it "Wall System"	洞洞板系列-游戏墙	3Y+
B27082	27082	plug in-Basic Plate set	洞洞板系列-基础通用洞洞板	3Y+
B27090	27090	Plug it"Frobel Set"	抓手形状套装	3Y+
B27091	27091	Plug it"Tic Tac Toe"	创意插图套装	3Y+
B27092	27092	Plug it "mirror set"	角色镜子套装	24M+
B27093	27093	Plug it "marble run"	代码轨道套装	3Y+
B27094	27094	Plug it "game foil"	色彩踪迹游戏套	3Y+
B27095	27095	Plug it"Clock & Memo Set"	幸运转盘套装	3Y+
B27096	27096	Plug it"Junior Inventor"	配件-科学物理实验套	3Y+
B27097	27097	Plug it"Storage Set"-Triangle	三角形储物袋	3Y+
B27098	27098	Plug it"Storage Set"-Rectangle	配件-矩形收纳袋	3Y+
B27099	27099	Plug it Rectangle Oil Leak"	配件-长方形油漏	24M+
B27100	27100	Plug it"Acryl Stick"	彩色插棒套装	3Y+
B27101	27101	Plug it" Fixing Plug " set	20pcs 固定插头	3Y+
B27102	27102	Plug it" Game Plug" set	5色/100pcs 游戏插头	24M+
B27103	27103	Plug it "Connector-Set A"	短连接件	3Y+
B27104	27104	Plug it "Connector-Set B"	直角连接件	3Y+
B27105	27105	Plug it "Connector-Set C"	长连接件	3Y+
B27106	27106	Plug It "Murmelbahn-Plug"	轨道插件	24M+



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Material List:

Item: Refer to detail list

Material No.	Material	Color	Location
M001	Whole Product	multicolor	Plug it"activity house", 27080
M002	Whole Product	multicolor	Plug it "Wall System", 27081
M003	Whole Product	multicolor	Plug it"Frobel Set", 27090
M004	Whole Product	multicolor	Plug it"Tic Tac Toe", 27091
M005	Whole Product	multicolor	Plug it "mirror set", 27092
M006	Whole Product	multicolor	Plug it "marble run", 27093
M007	Whole Product	multicolor	Plug it "game foil", 27094
M008	Whole Product	multicolor	Plug it"Clock & Memo Set", 27095
M009	Whole Product	multicolor	Plug it"Junior Inventor", 27096



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1.ASTM F963-17: Mechanical and physical

Test result:

	Test No:	T001
	Material No:	M001-M009
4. Safety requirements		
4.1 Material Quality (visual check)		PASS
4.3.7 Stuffing materials		N/A
4.5 Sound-producing toys		N/A
4.6 Small objects		PASS*1
4.7 Accessible edges		PASS
4.8 Projections		PASS*2
4.9 Accessible points		PASS
4.10 Wires or rods		N/A
4.11 Nails and fasteners		PASS
4.12 Plastic film		N/A
4.13 Folding mechanisms and hinges		N/A
4.14 Cords, straps, and elastics		N/A
4.15 Stability and over-load requirements		PASS*3
4.16 Confined spaces		N/A
4.17 Wheels, tires and axles		N/A
4.18 Holes, clearance and accessibility of mechanisms		N/A
4.19 Simulated protective devices		N/A
4.20 Pacifiers		N/A
4.21 Projectile toys		N/A
4.22 Teethers and teething toys		N/A
4.23 Rattles		N/A
4.24 Squeeze toys		N/A
4.26 Toys intended to be attached to a crib or playpen		N/A
4.27 Stuffed and beanbag-type toys		N/A
4.28 Stroller and carriage toys		N/A
4.29 Art materials (#)		N/A
4.30 Toys gun marking		N/A
4.31 Balloons		N/A
4.32 Certain toys with nearly spherical ends		N/A
4.33 Marbles		N/A
4.34 Balls		N/A
4.35 Pompoms		N/A
4.36 Hemispheric-shaped objects		N/A
4.37 Yo Yo elastic tether toys (#)		N/A
4.38 Magnets		N/A
4.39 Jaw entrapment in handle and steering wheels		N/A
4.40 Expanding materials		N/A
4.41 Toy chests		N/A
5. Labeling requirements		
5.1 Federal government requirements		N/A
5.2 Age grading labeling		N/A



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Test No:	T001
Material No:	M001-M009
5.3 Safety labeling requirements	N/A
5.4 Aquatic toys	N/A
5.5 Crib and playpen toys	N/A
5.6 Mobiles	N/A
5.7 Stroller and carriage toys	N/A
5.8 Toys intended to be assembled by an adult	PASS*4
5.9 Simulated protective devices	N/A
5.10 Toys with functional sharp edges or points	N/A
5.11 Small objects, small balls, marbles and balloons	PASS*5
5.12 Toy caps	N/A
5.13 Art materials	N/A
5.16 Promotional materials	PASS
5.17 Magnets	N/A
6. Instructional literature	
6.1 Definition and description	PASS
6.2 Crib and playpen toys	N/A
6.3 Mobiles	N/A
6.4 Toys intended to be assembled by an adult	PASS*4
6.7 Toys in contact with food	N/A
6.8 Toy chests	N/A
7. Producer's markings	
7.1 Name and address of the producer or the distributor	PASS
7.3 Toy chests	N/A

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	Impact Test	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



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Remark:

- *1 This clause is only applicable to M002-5 , M007-9.
- *2 This clause is only applicable to M002-4 , M007-8.
- *3 This clause is only applicable to M001.
- *4 This clause is only applicable to M001-2.
- *5 clause is only applicable to M002-4 , M007-9.

N/A = Not Applicable



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2.ASTM F963-17: Flammability on solids and soft toys

Test result:

	Test No:	T001
	Material No:	M001-M009
4.2 Flammability on solids and soft toys		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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3.CPSIA Sect 103: Tracking label

Test Result:

	Test No:	T001
	Material No:	M001-M009
Present On Packaging		PASS
Present On Product		PASS

Remark:

- * If there is a tracking label on the product which is visible through disposable packaging, the packaging need not be marked.
- ** The correct adherence to all requirements according to CPSIA Tracking label in regards to the marking of:
 - (1) Manufacturer or private labeler name;
 - (2) Location and date of production of the product;
 - (3) Detailed information on the manufacturing process, such as a batch or run number, or other identifying characteristics; and,
 - (4) Any other information to facilitate ascertaining the specific source of the product; can only be confirmed by the manufacturer/trader/applicant. The presence of related information was assessed; however, they cannot be verified in the frame of this test.



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4.CPSC 16 CFR 1500.48, 1500.49, 1501 Mechanical and Physical Test
Test result:

Test No.	Material No.	Description	Test Method	Result
T001	M001-M009	16 CFR 1500.48	Requirement for sharp points (0- 96 months)	PASS
		16 CFR 1500.49	Requirement for sharp edges - metal or glass (0- 96 months)	PASS
		16 CFR 1501	Requirement for small parts (0-36 months)	PASS*1

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	Impact Test	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

Remark:

*1 This clause is only applicable to M005.



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5.Flammability Test of Rigid and Pliable Solids (Part 1500.3(C)(6)(VI) 16 C.F.R. U.S.A.)**Test result:**

Test No.	Material No.	Burn rate (inch/second)	Result
T001	M001-M009	DNI	PASS

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

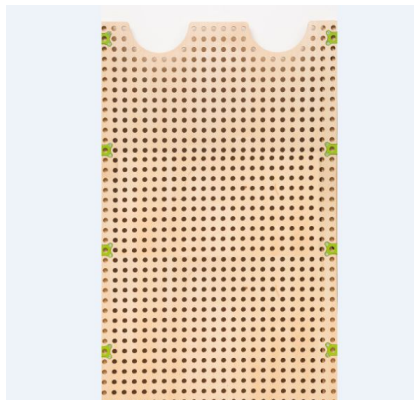
DNI = Did Not Ignite / Abbreviation: IBE = Ignite But Self-extinguish



Sample Photos



#27081



*#27082



*27097



*27098



*27099



*27100



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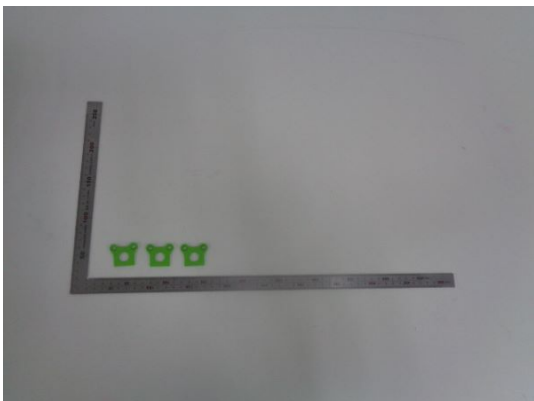
Sample Photos



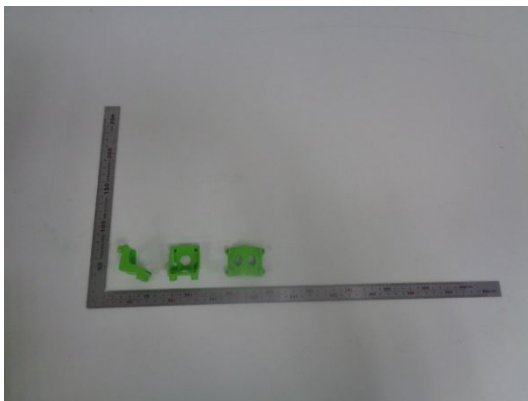
*27101



*27102



*27103



*27104



*27105



*27106



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Sample Photos



27080



27090



27091



27092



27093



27094



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Sample Photos



27095



27096

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