



Country of Origin:

Assortment No.:



NOT PROVIDE

NOT PROVIDE

ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

(8822)096-0008(C-R1) Jun 9, 2022 **Technical Report:** Apr 6, 2022 Date Received: Page 1 of 25

ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD BEILONG AREA, HUADONG ROAD, GUANGYI STREET, CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG, CHINA.

Sample Description: DINOSAUR SERIES, ANIMAL SERIES AND SCENE SERIES

Vendor: N/A Sample Size: Manufacturer: N/A Style No(s):

SEE ATTACHMENT Labeled Age Grade: **NOT PRESENT** SKN/SKU No.: **NOT PROVIDE** Appropriate Age Grade: NOT REQUESTED PO No.: **NOT PROVIDE** Client Specified Age Ref#: **NOT PROVIDE**

Grade:

Tested Age Grade: **OVER 3 YEARS OF AGE**

UPC Code:

Resubmitted Sample Date: APR 27, 2022

Test Starting Date: APR 6, 2022 Test Finished Date: JUN 9, 2022

EXECUTIVE SUMMARY:

Test Requested	Conclusion
Mechanical and physical properties requirements of the tested subclauses of the European Standard, "Safety of toys", EN71: Part 1:2014+A1:2018 clauses 1-7	PASS
Labeling requirements of "CE marking, manufacturer/ Importer name and address, and product identification" under "Directive 2009/48/EC Safety of Toy".	PASS
Flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2020	PASS
Migration of Certain Elements in Category III - Scraped off toy material requirements of the European Standard, "Safety of toys", EN 71-3:2019+A1:2021.	PASS

To be continued

BUREAU VERITAS SHENZHEN CO.,LTD DONGGUAN BRANCH

Harvey Xue

Manager, Analytical Lab

BUREAU VERITAS SHENZHEN CO.,LTD DONGGUAN BRANCH

Rose Ge

Supervisor, Toys Lab

RT/Lucy Chen

REMARK

If there are questions or concerns on this report, please contact the following persons:

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Approved by: Harvey Xue Report Template- Version A



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EXECUTIVE SUMMARY:

Note: At the request of the client, the sample(s) was evaluated for use by children 3+.

Note: At the request of the client, EN71: Part 2:2011+A1:2014 Clause 4.1 about liquids flammability requirement(s) was waived for this submission.

Note: The manufacturer / importer information was present on the packaging only. It has to be noted that, or according to TSD 2009/48/EC, the manufacturers/ importer shall indicate their name, registered trade name registered trade mark and the address at which they can be contacted on the toy, or, where that is not possible, on its packaging or in a document accompanying the toy."

The product identification is present on the packaging only. It has to be noted that, According to TSD Note: 2009/48/EC, manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or, where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

Note: At the request of client, test(s) was conducted on the certain component(s) of the submitted samples(s) / submitted component(s).

ATTACHMENT:

Style No(s):

Otj. 0 . 10(0).								
Q9899-355、	Q9899-356、	Q9899-357、	Q9899-358、	Q9899-359、	Q9899-360、	Q9899-361、	Q9899-375、	
Q9899-376、	Q9899-377、	Q9899-378、	Q9899-379、	Q9899-380、	Q9899-381、	Q9899-382、	Q9899-383、	
Q9899-384、	Q9899-385、	Q9899-386、	Q9899-387、	Q9899-388、	Q9899-389、	Q9899-390、	Q9899-391、	
Q9899-392、	Q9899-393、	Q9899-394、	Q9899-395、	Q9899-396、	Q9899-397、	Q9899-398、	Q9899-399、	
Q9899-400、	Q9899-401、	Q9899-402、	Q9899-403、	Q9899-404、	Q9899-405、	Q9899-406、	Q9899-407、	
Q9899-410、	Q9899-411、	Q9899-412、	Q9899-414、	Q9899-415、	Q9899-416、	Q9899-417、	Q9899-418、	
Q9899-419、	Q9899-590、	Q9899-591、	Q9899-592、	Q9899-593、	Q9899-594、	Q9899-595、	Q9899-596、	
Q9899-597、	Q9899-598、	Q9899-058、	Q9899-059、	Q9899-060、	Q9899-061、	Q9899-062、	Q9899-063、	
Q9899-068、	Q9899-069、	Q9899-096、	Q9899-097、	Q9899-098、	Q9899-099、	Q9899-A01、	Q9899-A02、	
Q9899-A03、	Q9899-A04、	Q9899-A05	Q9899-A06	Q9899-A07	、Q9899-A08	、Q9899-A09	、Q9899-A10、	



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Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
1001	Green coating	Surface	-
1002	Deep blue coating	Surface	-
1003	Orange coating	Surface	-
1004	Blue coating	Surface	-
1005	Yellow coating	Surface	-
1006	White coating	Surface	-
1007	Brownness coating	Surface	-
1008	Brown coating	Surface	-
1009	Purple coating	Surface	-
I010	Black coating	Surface	-
I011	Red coating	Surface	-
l012	Blue green coating	Surface	-
I013	Yellow plastic	Body	-
I014	White plastic	Body	-
I015	Grey plastic	Body	-



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RESULTS:

APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is determined with reference to the EN71: Part 1: 2014+A1:2018,

CEN ISO/TR 8124-8:2016 Safety of toys - Part 8: Age determination guidelines prepared by Technical Committee CEN/TC 52 and

Age Grade Determination Guidelines of the Consumer Product Safety Commission (CPSC).

Note: The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be

used for testing.

Note: If the client does not specify an age grade for testing or request Bureau Veritas Consumer

Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used

for testing.

EXPLANATION OF THE ABBREVIATIONS FOR PART 1, 2 & 6

Symbol	Explanation								
NM	The sample(s) DOES I	The sample(s) DOES NOT MEET the requirement of this Subclause							
М	The sample(s) MEET t	he requiren	nent of this Subclause						
N/A	Not Applicable								
NR	Not Requested								
NE	Not Evaluated								
NP	None Present	None Present							
NT	Not Tested								
Р	Present								
R	Refer to Comment Sec	ction of this	report						
Symbol	Language Present	Symbol	Language Present	Symbol	Language Present				
В	Belgian language	G	German language	PR	Portuguese language				
D	Danish language	GR	Greek language	S	Spanish language				
E	English language	Н	Dutch language	SD	Swedish language				
F	Finnish language								
FR	French language	N	Norwegian language						



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RESULTS:

MECHANICAL & PHYSICAL PROPERTIES (EN 71: PART 1 - 2014+A1 - 2018)

Subclause	Requirement	Result
4.1	Material cleanliness	M
4.2	Assembly	M
4.3	Flexible plastic sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7 & 7.6	Edges	M
4.8 & 7.6	Points and metallic wires	M
4.8e	Splinters	M
4.9	Protruding parts	M
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	M
4.10.3	Hinges	NA
4.10.4	Springs	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12 & 7.3	Balloons	NA
4.13 & 7.9	Cord of toy kites and other flying toys	NA
4.14.1	Toys which a child can enter	NA
4.14.2 & 7.8	Masks and helmets	M
4.15.1	Toys propelled by child	
4.15.1.2 & 7.10.1 & 7.10.2 & 7.10.3 & 7.10.4 & 7.16	Toys propelled by child – Instructions for use	NA
4.15.1.3	Toys propelled by child – Strength	NA
4.15.1.4	Toys propelled by child – Stability	NA
4.15.1.5	Toys propelled by child – Braking	NA
4.15.1.6	Toys propelled by child - Transmission	NA
4.15.1.7	Toys propelled by child – insertion mark	NA
4.15.1.8	Electrically-driven ride-on toys	NA
4.15.2	Toy bicycles	
4.15.2.2 & 7.15	Toy bicycles – Warnings and instructions for use	NA
4.15.2.3	Toy bicycles – Braking	NA
4.15.3 & 7.16 & 7.19	Rocking horses and similar toys	NA
4.15.4 & 7.16	Toys not propelled by child	NA
4.15.5 & 7.18	Toy scooters	NA



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RESULTS:

Subclause	Requirement	Result
4.16	Heavy immobile toys	NA
4.17.2	All projectiles	М
4.17.3 & 7.7	Projectile toys with stored energy	М
4.17.4 & 7.26	Certain projectiles toys without stored energy	NA
4.18 & 7.4	Aquatic toys and inflatable toys	NA
4.19 & 7.13 & 7.14	Percussion caps	NA
4.20.2.1- 4.20.2.4, 4.20.2.6-4.20.2.12 & 7.14	Acoustics	М
*4.20.2.5	Acoustics- Toys using headphones or earphones	NA
4.21	Toys containing a non-electrical heat source	NA
4.22 & 7.2	Small balls	NA
4.23	Magnet	
4.23.2 a, b & c	Toy other than magnetic / electrical experimental sets intended for children over 8 years	NA
4.23.3 & 7.20	Magnetic / electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo ball	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27.1	Flying toys – General	NA
4.27.2 & 7.25.1	Rotors and propellers on flying toys	NA
4.27.3 & 7.25.2	Rotors and propellers on remote controlled flying toys	NA
	FOR TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS	
5.1	General	NA
5.1a	Small parts – as received	NA
5.1b	Small parts, sharp points, sharp edges – after tests	NA
5.1c	Cross section <2mm metal points & wires	NA
5.1e	Toys contain glue	NA
5.1f	Casing of toys	NA
5.2	Fillings, coverings and seams	NA
5.3	Adhesion of plastic sheeting	NA
5.4.2	Cords and chains in toys intended for children under 18 months	NA



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RESULTS:

Subclause	Requirement	Result
5.4.3 & 7.22	Cords and chains in toys intended for children of 18 months or over but under 36 months	NA
5.4.4	Fixed loops, tangled loops and nooses	NA
5.4.5	Cords and chains on pull along toys	NA
5.4.6 & 7.21	Electrical cables	NA
5.4.7	Cross-sectional dimension of certain cords	NA
5.4.8	Self-retracting cords	NA
5.4.9 & 7.11 & 7.23	Toys attached to or intended to be strung across a cradle, cot or perambulator	NA
5.5 & 7.12	Liquid filled toys	NA
5.6	Electrically driven toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size	NA
5.9 & 7.17	Monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15 & 7.24	Sledges with cords for pulling	NA
6	Packaging	NA
	WARNINGS, INSTRUCTIONS FOR USE	
7.1	General	M
7.2	Toys not intended for children under 36 months	М
7.5	Functional toys	NA

2009/48/EC General Labeling Requirement

Requirement	Result
CE Mark	M
Manufacturer/ Importer name and address	M
Product Identification	M

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section NT=Not Test



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RESULTS:

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 1

Sub-clause	Test Method	Sub- clause	Test Method	Sub- clause	Test Method	Sub- clause	Test Method
4.3	8.25.1	4.15.1.5	8.26.1	4.22	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.32	5.4.5	8.40
4.5	8.5, 8.7, 8.11, 8.12	4.15.1.8	8.29	4.23	8.2, 8.3, 8.4.2.1, 8.4.2.2, 8.5, 8.6, 8.7, 8.8, 8.34, 8.35	5.4.6	8.40
4.6	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.14	4.15.2.4	8.26.2	4.24	8.37	5.4.7	8.20
4.7	8.11	4.15.3	8.21, 8.23.1	4.25	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32.1	5.7.8	8.39
4.8	8.12, 8.13	4.15.4	8.21, 8.23.1	4.26	8.38	5.5	8.15
4.9	8.4.2.3, 8.11, 8.12	4.15.5	8.11, 8.12, 8.21, 8.22, 8.26.3, 8.27	4.27.1	8.43	5.6	8.29
4.10.1	8.18.2, 8.18.3	4.16	8.23.2	4.27.2	8.4.2.6	5.8	8.16
4.10.2	8.5, 8.6, 8.7, 8.11, 8.12	4.17.1	8.3, 8.4.2.1, 8.7, 8.8, 8.42	4.27.3	8.4.2.6	5.10	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, 8.32
4.11	8.2, 8.3, 8.4.2.1, 8.9, 8.17	4.17.2	8.3, 8.4.2.4,8.7, 8.8, 8.32.1, 8.43, 8.44	5.1	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.9, 8.11, 8.12	5.11	8.33
4.13	8.19	4.17.3	8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42	5.3	8.4.2.1, 8.25	5.12	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9,
4.14.1	8.31.1, 8.31.2	4.17.4	8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42	5.4.1	8.40	5.13	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32
4.14.2	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.11, 8.12	4.18	8.2, 8.3, 8.4.2.1	5.4.2	8.38, 8.40, 8.41	5.14	8.38
4.15.1.3	8.11, 8.12, 8.21, 8.22	4.20	8.28	5.4.3	8.38, 8.40, 8.41	6	8.3, 8.4.2.1, 8.25.1, 8.32.1
4.15.1.4	8.23.1	4.21	8.30	5.4.4	8.36, 8.38		



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RESULTS:

FLAMMABILITY (EN 71 PART 2: 2020)

Subclause	Requirement	Result
4.1	Cellulose nitrate	NP
4.1	Highly flammable solids	NP
4.1	Surface flash on a piled surface	NA
*4.1	Flammable gases	NA
*4.1	Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	NT
4.2	Toys to be worn on the head	М
4.3	Toy disguise costumes and toys intended to be worn by child in play	NA
4.3	warning on product and packaging (10 - 30 mm/s)	NA
4.4	Toys intended to be entered by child	NA
4.4	warning on product and packaging (10 – 30 mm/s)	NA
4.5	Soft-filled toys	М

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 2

Sub- clause	Test Method	Sub- clause	Test Method	Sub- clause	Test Method	Sub- clause	Test Method
4.2.2	5.2	4.2.4	5.3	4.3	5.4	4.5	5.5
4.2.3	5.3	4.2.5	5.4	4.4	5.4	-	-

* Note: Subclause indicated with * are not accredited.

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section

P = Present NP = Not Present



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RESULTS:

Migration of Certain Elements, EN 71-3:2019+A1:2021

Test Method: European Standard EN 71-3:2019+A1:2021 Section 8.

Class: Category III - Scraped off toy material

	Requirement			Result (mg/kg)				
Analyte	(mg/kg)	Test Item(s)						
	Category III	1001	1002	1003	1004	1005		
Aluminium (Al)	28130	6	16	12	26	5		
Arsenic (As)	47	ND	ND	ND	ND	ND		
Boron (B)	15000	ND	ND	ND	ND	ND		
Barium (Ba)	18750	ND	ND	ND	ND	ND		
Cadmium (Cd)	17	ND	ND	ND	ND	ND		
Cobalt (Co)	130	ND	ND	ND	ND	ND		
Chromium III (Cr III)	460	ND	ND	0.22	ND	ND		
Chromium VI (Cr VI)	0.053	ND#	ND#	ND#	ND#	ND		
Copper (Cu)	7700	ND	ND	ND	ND	ND		
Mercury (Hg)	94	ND	ND	ND	ND	ND		
Manganese (Mn)	15000	ND	ND	ND	ND	ND		
Nickel (Ni)	930	ND	ND	ND	ND	ND		
Lead (Pb)	23	ND	ND	ND	ND	ND		
Antimony (Sb)	560	ND	ND	ND	ND	ND		
Selenium (Se)	460	ND	ND	ND	ND	ND		
Tin (Sn)	180000	ND	ND	ND	ND	ND		
Organic tin	12	ND	ND	ND	ND	ND		
Strontium (Sr)	56000	2	3	4	3	ND		
Zinc (Zn)	46000	5	23	17	13	3		
Mass of trace am	ount (gram)	0.0179	0.0656	0.0765	0.0598	0.0146		
Conclus	ion	PASS	PASS	PASS	PASS	PASS		



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RESULTS:

	Requirement	Result (mg/kg)						
Analyte	(mg/kg)	Test Item(s)						
	Category III	1006	1007	1008	1009	l010		
Aluminium (AI)	28130	54	8	7	27	8		
Arsenic (As)	47	ND	ND	ND	ND	ND		
Boron (B)	15000	ND	ND	ND	ND	ND		
Barium (Ba)	18750	ND	ND	ND	ND	ND		
Cadmium (Cd)	17	ND	ND	ND	ND	ND		
Cobalt (Co)	130	ND	ND	ND	ND	ND		
Chromium III (Cr III)	460	ND	ND	ND	0.72	ND		
Chromium VI (Cr VI)	0.053	ND	ND#	ND	ND#	ND#		
Copper (Cu)	7700	ND	ND	ND	8	ND		
Mercury (Hg)	94	ND	ND	ND	ND	ND		
Manganese (Mn)	15000	ND	ND	ND	2	ND		
Nickel (Ni)	930	ND	ND	ND	9	ND		
Lead (Pb)	23	ND	ND	ND	ND	ND		
Antimony (Sb)	560	ND	ND	ND	ND	ND		
Selenium (Se)	460	ND	ND	ND	ND	ND		
Tin (Sn)	180000	ND	ND	ND	ND	ND		
Organic tin	12	ND	ND	ND	ND	ND		
Strontium (Sr)	56000	ND	3	2	5	2		
Zinc (Zn)	46000	10	13	9	78	10		
Mass of trace amount (gram)		0.0525	0.0562	0.0544	0.0816	0.0533		
Conclusion		PASS	PASS	PASS	PASS	PASS		



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RESULTS:

	Requirement		Result (mg/kg)					
Analyte	(mg/kg)	Test Item(s)						
	Category III	I011	1012	1013	l014	l015		
Aluminium (AI)	28130	4	13	ND	2	ND		
Arsenic (As)	47	ND	ND	ND	ND	ND		
Boron (B)	15000	3	ND	ND	ND	ND		
Barium (Ba)	18750	ND	ND	ND	ND	ND		
Cadmium (Cd)	17	ND	ND	ND	ND	ND		
Cobalt (Co)	130	ND	ND	ND	ND	ND		
Chromium III (Cr III)	460	ND	ND	ND	ND	ND		
Chromium VI (Cr VI)	0.053	ND	ND#	ND	ND	ND		
Copper (Cu)	7700	ND	ND	ND	ND	ND		
Mercury (Hg)	94	ND	ND	ND	ND	ND		
Manganese (Mn)	15000	ND	ND	ND	ND	ND		
Nickel (Ni)	930	ND	ND	ND	ND	ND		
Lead (Pb)	23	ND	ND	ND	ND	ND		
Antimony (Sb)	560	ND	ND	ND	ND	ND		
Selenium (Se)	460	ND	ND	ND	ND	ND		
Tin (Sn)	180000	ND	ND	ND	ND	ND		
Organic tin	12	ND	ND	ND	ND	ND		
Strontium (Sr)	56000	ND	3	ND	ND	ND		
Zinc (Zn)	46000	2	12	ND	ND	3		
Mass of trace amount (gram)		0.0103	0.0609	-	-	-		
Conclusion		PASS	PASS	PASS	PASS	PASS		

mg/kg = milligrams per kilogram (ppm=parts per million)

Organic tin = migration of total organic tin is expressed as tributyltin cation content in mg/kg

= Verified results (see note)

ND = Not detected

Detection Limit (mg/kg):

Category III - Al : 2 ; Sb : 2 ; As : 2 ; Ba : 2 ; B : 2 ; Cd : 2 ; Cr III : 0.15 ; Cr VI : 0.025 ; Co : 2 ; Cu : 2 ; Pb : 2 ; Mn : 2 ; Hg : 2 ; Ni : 2 ; Se : 2 ; Sr : 2 ; Sn : 2 ; Organic tin : 2 ; Zn : 2

Remark:

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content unless specified.
- Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.
- -The pH measured shall be reported after migration if it was outside the range of 1.1 to 1.3.
- This report is to Supersede BV(Dong guan) report No. (8822)096-0008(C) dated on May 23, 2022.

Note:

If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the results were verified by below method

- Chromium VI: EN 71-3:2019+A1:2021, Annex F by Ion-chromatography with ICP-MS detector analysis.
- Organic tin: EN 71-3:2019+A1:2021, Annex G by Gas Chromatography-Mass Spectroscopy analysis.



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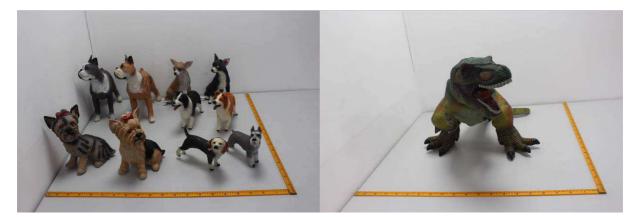




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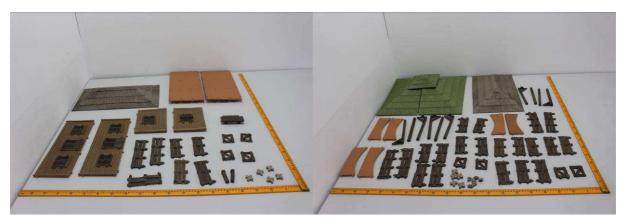


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