

# Test Report

No.: T51810292013TY

Date: DEC 27, 2018

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SHANTOU BEIBE GOOD (JIACHENG) PLASTIC TOYS CO.,LTD.

CHENGHAI DISTRICT, SHANTOU CITY,  
GUANGDONG PROVINCE, CHINA

**The results of this report are extracted from the test report number T51810292002TY where the sample(s) /material(s) of sample is(are) claimed to be identical.**

The following samples were submitted and identified by/on behalf of the client as:

## TOY SERIES

Item No.	:	889-152, 889-22B, 889-23B, 889-24B, 889-19, 889-20, 889-21, 889-22, 889-23, 889-24, 889-39, 889-40, 889-31, 889-30, 889-33, 889-32, 889-34, 889-15A, 889-16A, 889-155, 889-156, 889-157, 889-158, 889-159, 889-160, 889-161, 889-162, 889-163, 889-164, 889-165, 889-166, 889-167, 889-168, 889-169, 889-170, 889-171, 889-172, 889-173, 889-174, 889-175, 889-176, 889-177, 889-178, 889-179, 889-180, 889-181, 889-182, 889-183, 889-184, 889-185, 889-186, 889-187, 889-188, 889-189, 889-190, 889-191, 889-192, 889-193, 889-194, 889-195, 889-196, 889-197, 889-198, 889-199, 889-200, 889-127, 889-128, 889-129, 889-130, 889-131, 889-132, 889-133, 889-205, 889-206, 889-207, 889-208, 889-209, 889-210, 889-211, 889-212
Labeled Age Grading	:	3+, AGES 3+, NOT FOR CHILDREN UNDER 3 YEARS, FOR AGES 3+
Requested Age Grading	:	3+
Age Group Assessed by SGS As Per Age Guideline	:	OVER 3 YEARS
Age Group Applied in Testing	:	OVER 3 YEARS
Sample Receiving Date	:	NOV 23, 2018
Last Submission Sample Date	:	DEC 14, 2018
Further Information Date	:	DEC 26, 2018
Testing Period	:	NOV 23, 2018 TO DEC 24, 2018



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Test Requested		Conclusion
1.	Per applicant's request, for compliance with the selected requirement(s) of ASTM F963-17 Standard Consumer Safety Specification on Toy Safety. Refer to test result page(s) for details.  (Selected specimen(s) was/were tested as specified by the applicant, please refer to test result page(s) for details)	--
	ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	PASS (EXCEPT CLAUSE 7.1)

\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
SGS-CSTC Standards Technical  
Services Co., Ltd. Shenzhen Branch Testing Center





Qu Ping, Kiky  
Dept. Manager  
CNAS Approved Signatories

Liu Junjie, Tony  
Section Manager  
CNAS Approved Signatories



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**Results:**

**ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY**

**AS SPECIFIED IN ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY**

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	Safety Requirements	
4.1	Material Quality **	<u>Pass</u>
4.2	Flammability Test	<u>Pass</u> <u>(See Result Page)</u>
4.3	Toxicology	
4.3.3	Indirect Food Additives	<u>N/C</u>
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	<u>Pass</u> <u>(See Result Page)</u>
4.3.5.2	Heavy Metal in Substrate Materials	<u>Pass</u> <u>(See Result Page)</u>
4.5	Sound-Producing Toys	<u>Pass</u>
4.6.3	Labelling Requirements	<u>Pass</u>
4.7	Accessible Edges	<u>Pass</u>
4.8	Projections	<u>Pass</u>
4.9	Accessible Points	<u>Pass</u>
4.10	Wires or Rods	<u>Pass</u>
4.11	Nails and Fasteners	<u>Pass</u>
4.12	Plastic Film	<u>Pass</u>
4.13.2	Hinge-Line Clearance (Remark : Not applicable because of the weight of movable part link with hinge is less than 0.5lb.)	<u>N/A</u>
4.17	Wheels, Tires, and Axles	<u>Pass</u>
4.18	Holes, Clearance & Accessibility of Mechanisms	<u>Pass</u>
4.25	Battery-Operated Toys (Non-rechargeable battery) (* This test was only conducted on specific product(s) (see sample pictures for details) as per client's request.)	<u>Pass*</u>
4.29	Art Materials	<u>N/C</u>
4.38	Magnets	<u>Pass</u>



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<u>Clause</u>	<u>Description</u>	<u>Result</u>
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	<u>Pass</u>
5.3	Safety Labeling Requirements	<u>Pass</u>
5.11	Small Objects, Small Balls, Marbles, and Balloons	<u>Pass</u>
5.13	Art Materials	<u>N/C</u>
5.16	Promotional Materials	<u>Pass</u>
6	Instructional Literature	
6.5	Battery-Operated Toys	<u>Pass</u>
6.7	Toys in Contact with Food	<u>Pass</u>
7	Producer's Markings	
7.1	Producer's Markings	<u>See Remark</u>
	(Remark: It is drawn to your attention that either a principal component of a toy or the package of a toy shall be marked with the name and address of the producer or the distributor.)	
8.5	Normal Use Testing	<u>Pass</u>
8.7	Impact Test	<u>Pass</u>
8.8	Torque Test	<u>Pass</u>
8.9	Tension Test	<u>Pass</u>
8.10	Compression Test	<u>Pass</u>
8.12	Flexure Test	<u>Pass</u>

N/C=Not Conducted as per client's request

\*\* Visual Examination



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**Test Report**

No.: T51810292013TY

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Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample

TOY SERIES

Burning Rate (inch/sec)

0.1\*

\*Burning rate has been rounded to the nearest one tenth of an inch per second.

Requirement: A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

Flammability Test on Textile Materials

Samples	<u>Burning Time (second)</u>										Results		
	<u>As received</u>					<u>After washing</u>							
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Ave</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>Ave</u>	
Pink fabric	DNI	DNI	DNI	DNI	DNI	---	DNI	DNI	DNI	DNI	DNI	---	Pass
	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	---	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	---	
	---	---	---	---	---	---	---	---	---	---	---	---	

DNI = Did Not Ignite

IBE = Ignite But Extinguished



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**Requirements:****Plain Surface Fabrics**

- (1) All specimens either did not ignite, ignited but self extinguished, or any combination thereof.
- (2) Average burn time is 3.5 s or greater.

**Raised Surface Fabrics**

- (1) All specimens either did not ignite, ignited but self extinguished, or any combination thereof.
- (2) Average burn time is 4 s or greater.
- (3) Average burn time is less than 4 s and all specimens burn with a surface flash where the intensity of the surface flame is insufficient to ignite, char, or melt the base fabric.
- (4) Only 1 of 5 specimens ignites and burns in less than 4s and the base fabric does not ignite or fuse, the sample is acceptable.
- (5) Only 1 of 5 specimens ignites or burns in more than 4s, regardless of whether the base fabric ignites or fuses, the sample is acceptable.



**ASTM F963-17, Clause 4.3.5.1 – Heavy Elements in Paint/Similar Surface Coating Materials**

Method: With reference to CPSC-CH-E1003-09.1

Method: With reference to ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)	Lead (Pb)		
<b>MDL (ppm)</b>	10		
<b>Total Limit (ppm)</b>	90		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Green coating (Body)	3	1	ND
2. Red coating (Body)	3	2	ND
3. Black coating on metal (Body)	3	3	22
4. White coating (Body)	3	4	ND

Soluble Heavy Metal Content

Test Item(s)	Pb	Sb	As	Ba	Cd	Cr	Hg	Se			
<b>MDL (ppm)</b>	5	5	2.5	10	5	5	5	10			
<b>Migration Limit (ppm)</b>	90	60	25	1000	75	60	60	500			
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	1	12	/	ND	ND	ND	ND	ND	ND	ND	ND
2	1	13	18.0	ND	ND	ND	ND	ND	ND	ND	ND
3	1	14	/	ND	ND	ND	272	ND	ND	ND	ND
4	1	16	/	ND	ND	ND	ND	ND	ND	ND	ND



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### Specimen Description:

1. Green coating (Body)
2. Red coating (Body)
3. Black coating on metal (Body)
4. White coating (Body)

- Note:
- ppm = parts per million
  - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
  - MDL = Method Detection Limit
  - ND = Not Detected (lower than MDL)
  - Migration results of eight elements shown are of the adjusted analytical results



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**ASTM F963-17, Clause 4.3.5.2 – Heavy Elements in Substrate Materials**

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3

Method: With reference to ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)	Lead (Pb)		
<b>MDL (ppm)</b>	10		
<b>Total Limit (ppm)</b>	100		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Light red plastic (Body)	2	1	ND
2. Pink plastic (Body)	2	2	ND
3. Brown plastic (Body)	2	3	ND
4. Dark yellow plastic (Body)	2	4	ND
5. White plastic (Body)	2	5	ND
6. Transparent red plastic (Body)	2	6	ND
7. Grey plastic (Body)	2	7	ND
8. Transparent plastic (Body)	2	8	ND
9. Light brown plastic (Body)	2	9	ND
10. Laminated paper label w/ multi-color printing (Sticker)	2	10	ND
11. Yellow plastic (Body)	2	11	ND
12. Green soft plastic (Body)	2	12	57
13. Milky plastic tube (Body)	2	13	ND



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Test Item(s)	Lead (Pb)		
MDL (ppm)	10		
Total Limit (ppm)	100		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
14. Apricot-white plastic (Body)	2	14	ND
15. Light green plastic (Body)	2	15	ND
16. Light blue plastic (Body)	2	16	ND
17. Light red plastic (Bottle)	2	17	ND
18. Transparent black plastic (Body)	2	18	ND
19. Black plastic sheet w/ black fabric backing (Body)	2	19	ND
20. Dark pink plastic (Body)	2	20	ND
21. Orange plastic (Body)	2	21	ND



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Soluble Heavy Metal Content

Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm) -- Other Than Modeling Clays				90	60	25	1000	75	60	60	500
Migration Limit (ppm) -- Modeling Clays				90	60	25	250	50	25	25	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	1	1	/	ND	ND	ND	ND	ND	ND	ND	ND
2	1	2	/	ND	ND	ND	ND	ND	ND	ND	ND
3	1	3	/	ND	ND	ND	ND	ND	ND	ND	ND
4	1	4	/	ND	ND	ND	ND	ND	ND	ND	ND
5	1	5	/	ND	ND	ND	ND	ND	ND	ND	ND
6	1	6	/	ND	ND	ND	ND	ND	ND	ND	ND
7	1	7	/	ND	ND	ND	ND	ND	ND	ND	ND
8	1	8	/	ND	ND	ND	ND	ND	ND	ND	ND
9	1	9	/	ND	ND	ND	ND	ND	ND	ND	ND
10	1	10	/	ND	ND	ND	ND	ND	ND	ND	ND
11	1	11	/	ND	ND	ND	ND	ND	ND	ND	ND
12	1	15	/	ND	ND	ND	ND	ND	ND	ND	ND
13	1	17	/	ND	ND	ND	ND	ND	ND	ND	ND
14	1	18	/	ND	ND	ND	ND	ND	ND	ND	ND
15	1	19	/	ND	ND	ND	ND	ND	ND	ND	ND
16	1	20	/	ND	ND	ND	ND	ND	ND	ND	ND



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Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm) -- Other Than Modeling Clays				90	60	25	1000	75	60	60	500
Migration Limit (ppm) -- Modeling Clays				90	60	25	250	50	25	25	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
17	1	21	/	ND	ND	ND	ND	ND	ND	ND	ND
18	1	22	/	ND	ND	ND	ND	ND	ND	ND	ND
19	1	23	/	ND	ND	ND	ND	ND	ND	ND	ND
20	1	24	/	ND	ND	ND	ND	ND	ND	ND	ND
21	1	25	/	ND	ND	ND	ND	ND	ND	ND	ND



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### Specimen Description:

1. Light red plastic (Body)
2. Pink plastic (Body)
3. Brown plastic (Body)
4. Dark yellow plastic (Body)
5. White plastic (Body)
6. Transparent red plastic (Body)
7. Grey plastic (Body)
8. Transparent plastic (Body)
9. Light brown plastic (Body)
10. Laminated paper label w/ multi-color printing (Sticker)
11. Yellow plastic (Body)
12. Green soft plastic (Body)
13. Milky plastic tube (Body)
14. Apricot-white plastic (Body)
15. Light green plastic (Body)
16. Light blue plastic (Body)
17. Light red plastic (Bottle)
18. Transparent black plastic (Body)
19. Black plastic sheet w/ black fabric backing (Body)
20. Dark pink plastic (Body)
21. Orange plastic (Body)

- Note:
- ppm = parts per million
  - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
  - ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit
  - Migration results of eight elements shown are of the adjusted analytical results

N.B. : - Only applicable clauses were shown.



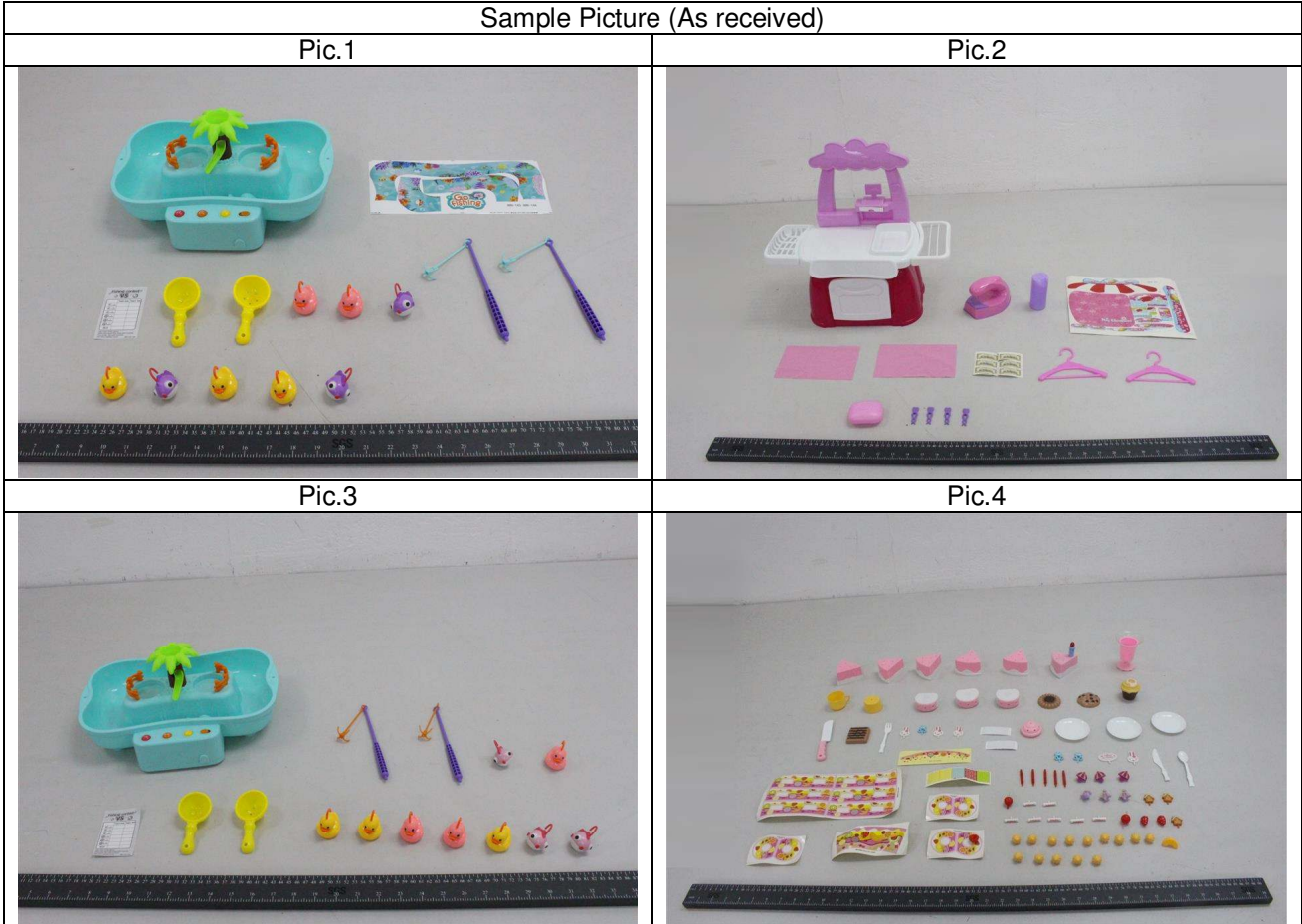
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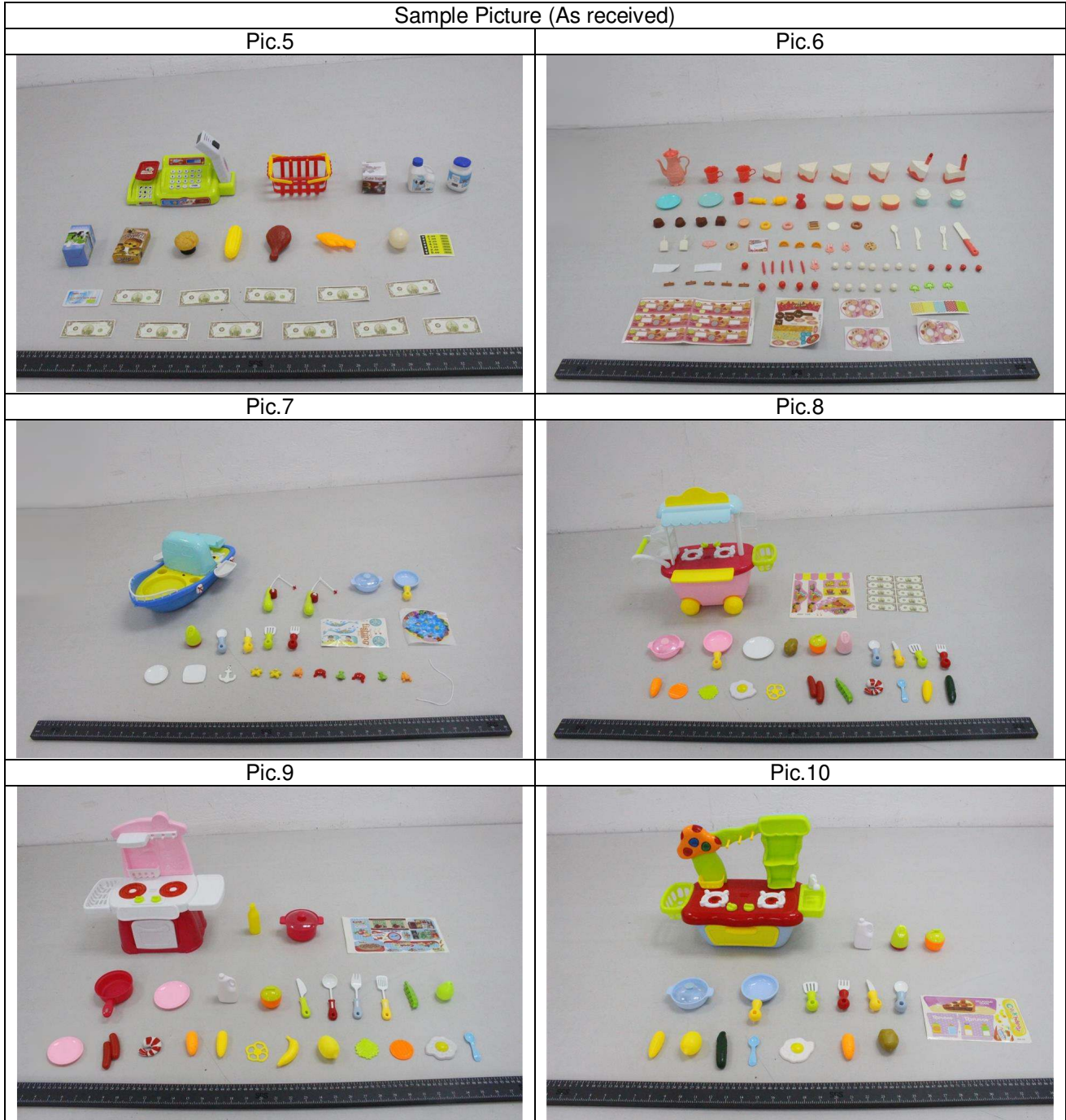


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Sample Picture (As received)

Pic.11



Pic.12



Pic.13



Pic.14



Pic.15



Pic.16



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Pic.17



Pic.18



Pic.19



Pic.20



Pic.21



Pic.22



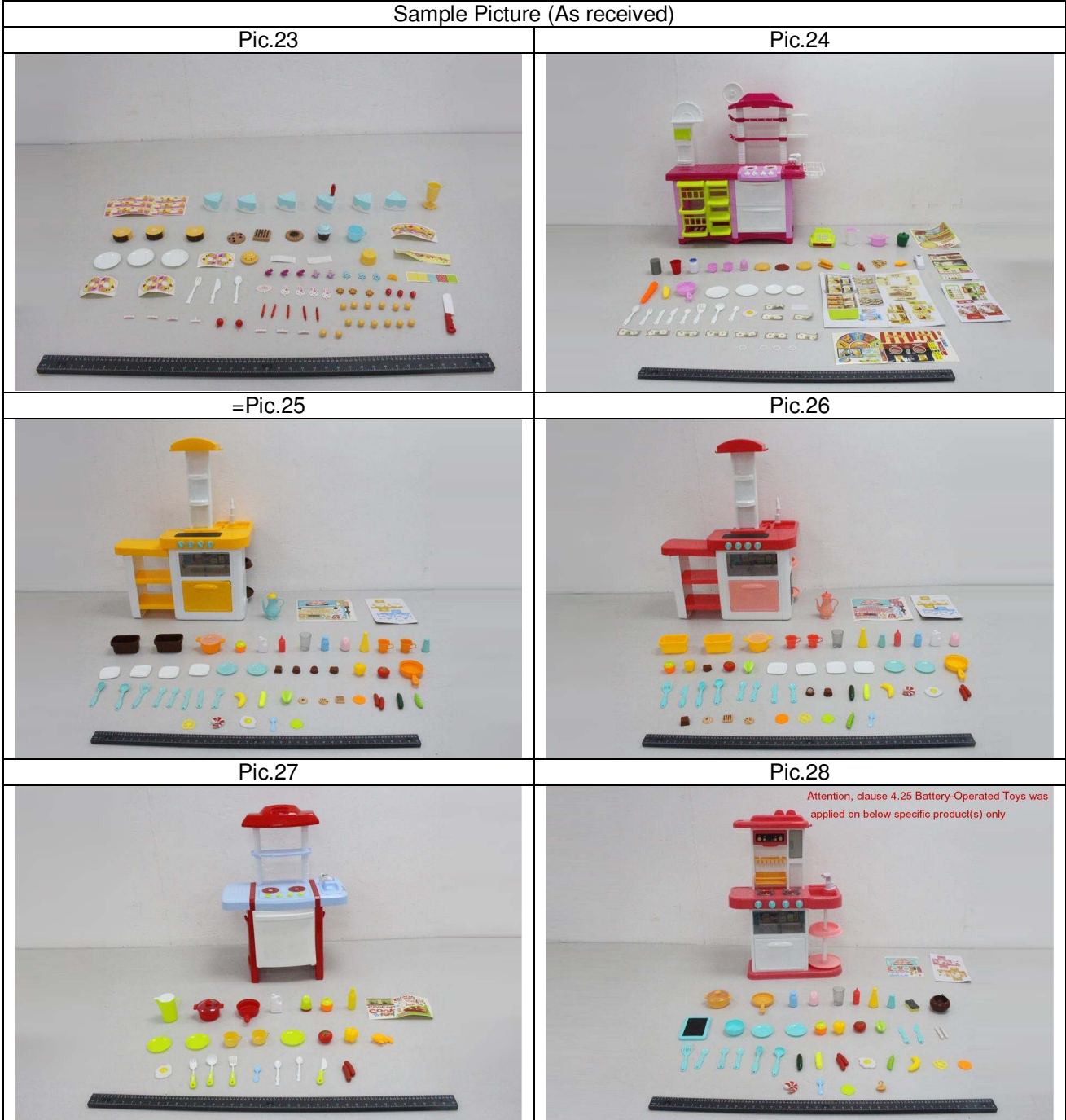
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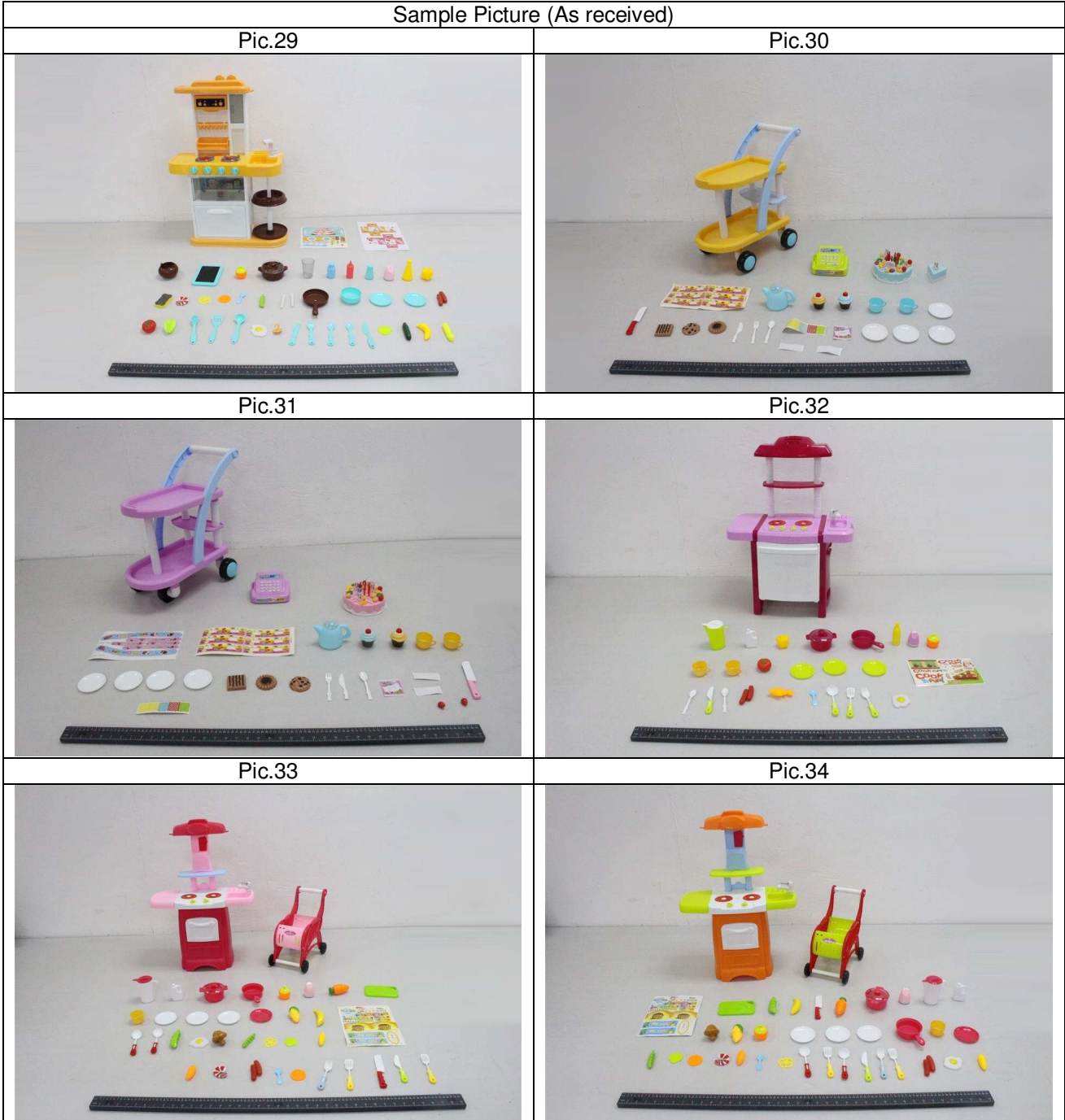


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