

REPORT No 11664

Date of issue: May 14, 2026

Status: FINAL REPORT

ASTM F963 CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

Program: SQ-3025.V15

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1. FOREWORD

This report summarizes the results of the **SQ-3025.V15** proficiency testing program on the verification of compliance with toy safety requirements. This program is conducted in a bilateral format, following the A.3.3 classification of the ISO 17043 standard ("Split-sample testing schemes").

South Quality conducted the testing program in February 2026 with the aim of assessing the laboratory's ability to competently perform the designated tests.

2. ORGANIZATION

Program Coordinator:	Lic. Esther Casas
Assistant Technician:	Berenice Ferrel
Statistic:	Lic. Manuel Tozaki
Supervision:	Eng. Emiliano Medina

3. OBJECTIVE

The objective of this proficiency testing program is to determine the following parameters:

- Flammability (Cl 4.2)
- Ceramicware, Lead, and Cadmium contamination (Cl. 4.3.3.2)
- Paint materials (Cl 4.3.5.1)
- Small objects (Cl 4.6)
- Accessible edges (Cl 4.7)
- Accessible points (Cl 4.9)
- Normal use testing (Cl 8.5)
- Impact test (Cl 8.7.1)
- Torque tests for removal of components (Cl 8.8)
- Tension test for removal of components (Cl 8.9)
- Compression test (Cl 8.10)
- Flexure test (Cl 8.12)

These parameters were verified using the following standard:

Standard
ASTM F963 - 23

To verify this, batches of toys have been selected.

Participants in this program have not been previously informed about the expected behavior of the samples they receive.

4. PARTICIPANT

Company: **BUREAU VERITAS CONSUMER PRODUCTS SERVICES MEXICO**

Laboratory: **BUREAU VERITAS CONSUMER PRODUCTS SERVICES MEXICO**

Country: Mexico

Client ID: C093

Contact person: Rebeca López Mendoza
 Quality Engineer
rebeca.lopez@bureauveritas.com

5. HOMOGENEITY

Several batches were prepared identically by the staff at South Quality.

Subsequently, a homogeneity study was conducted with an ISO 17025 accredited laboratory.

The control process followed ISO 33405: 2024, clauses 7.4.1.1 / 7.4.1.2. Stratified random sampling was applied, and samples were selected using random number generation software.

The results of this test are presented below:

Size of each batch: **50 samples**

Tested samples from each batch: **10 samples**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES		
	BATCH: LT3105	BATCH: LT3106	BATCH: LT3107
Clause 4.2	YES	YES	YES

Size of each batch: **50 samples**

Tested samples from each batch: **10 samples**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES		
	BATCH: LKS3210	BATCH: LKS3211	BATCH: LKS3212
Clause 4.3.3.2	YES	YES	NO

Size of each batch: **50 samples**

Tested samples from each batch: **10 samples**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES		
	BATCH: LPA3540	BATCH: LPA3541	BATCH: LPA3542
Clause 4.3.5.1	NO	YES	YES

Size of each batch: **50 samples**

 Tested samples from each batch: **10 samples**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES		
	BATCH: LKS2125	BATCH: LKS2126	BATCH: LKS2127
Clauses 4.6 + 4.7 + 4.9 + 8.5 + 8.7.1 + 8.8 + 8.9 + 8.10	YES	YES	NO

 Size of each batch: **50 samples**

 Tested samples from each batch: **10 samples**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES		
	BATCH: LKS2492	BATCH: LKS2493	BATCH: LKS2494
Clauses 4.6 + 4.7 + 4.9 + 8.5 + 8.7.1 + 8.8 + 8.9 + 8.10	NO	YES	NO

 Size of each batch: **50 samples**

 Tested samples from each batch: **10 samples**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES		
	BATCH: LKS2675	BATCH: LKS2676	BATCH: LKS2677
Clauses 4.6 + 4.7 + 4.9 + 8.5 + 8.7.1 + 8.8 + 8.9 + 8.10	YES	YES	YES

 Size of each batch: **40 samples**

 Tested samples from each batch: **8 samples**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES		
	BATCH: LKS2954	BATCH: LKS2955	BATCH: LKS2956
Clause 8.12	YES	YES	NO

Samples for this program are taken from the selected batches identified as **LKS2125, LKS2493, LKS2676, LKS2955, LT3107, LKS3210** and **LPA3542**.

For the indicated batches, the values determined in the homogeneity study are utilized as the assigned values.

The analysis of the test data indicated that the selected samples exhibited sufficient homogeneity for the program. Therefore, the results of participants identified as outliers cannot be attributed to sample variability.

6. SAMPLE INFORMATION

The following samples were sent for testing:

Batch:	LKS2125
Sample ID:	13
Characteristics:	3-Level service station - Toy >36 m - 1 unit

Batch:	LKS2493
Sample ID:	08
Characteristics:	3D maze - Toy < 18 m - 1 unit

Batch:	LKS2676
Sample ID:	04
Characteristics:	Toddler walker - Toy 18-36 m - 1 unit

Batch:	LKS2955
Sample ID:	05
Characteristics:	Plush elephant - Toy < 18 m - 1 unit

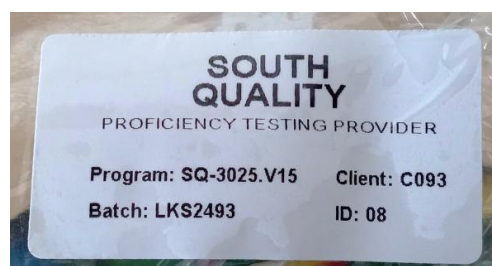
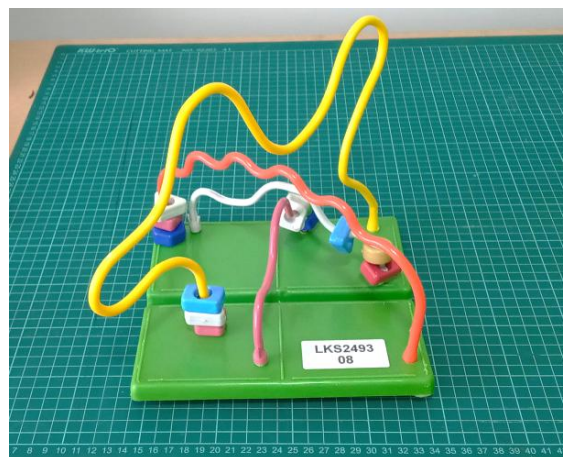
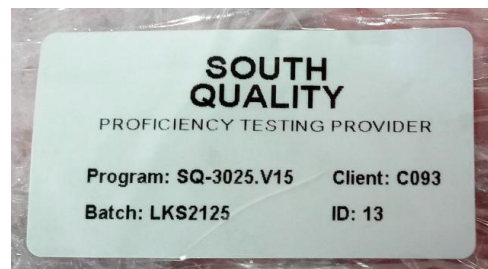
Batch:	LT3107
Sample ID:	10
Characteristics:	White fabric - 150 x 50 cm - 1 unit

Batch:	LKS3210
Sample ID:	06
Characteristics:	Porcelain tea set - 2 units

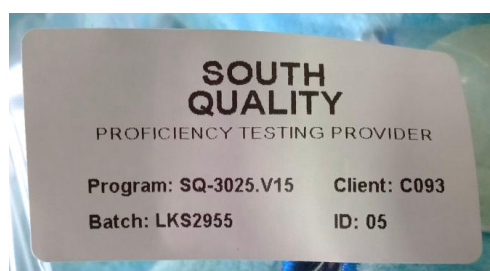
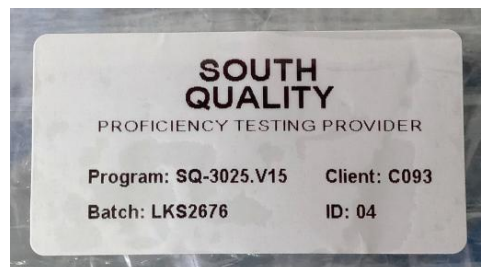
Batch:	LPA3542
Sample ID:	12
Characteristics:	Painted metal sheet - 20 x 10 cm - 1 unit

7. IMAGES

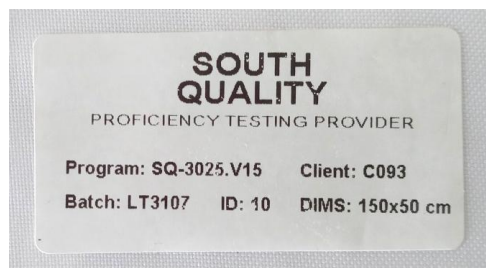
SAMPLES



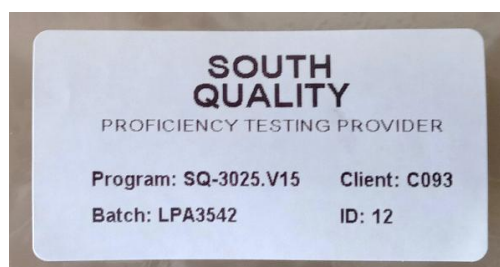
SAMPLES



SAMPLES



SAMPLES



8. ASSIGNED VALUES

BATCH	CL. 4.2 - FLAMMABILITY RESULT
LT3107	PASS

BATCH	ELEMENT	CL. 4.3.3.2 - BODY		CL. 4.3.3.2 - LIP & RIM	
		(mg/L)	SD	(mg/L)	SD
LKS3210	Pb	0.2258	0.008	< 0.004	-
	Cd	0.078	0.005	< 0.004	-

BATCH	ELEMENT	CL. 4.3.5.1 - RESULTS	
		(mg/kg)	SD
LPA3542	Ba	10.09	0.31
	Cd	0	-
	Cr	0	-
	Pb	182.58	3.85
	Se	0	-
	As	0	-
	Hg	0.25	0.019
	Sb	0	-

BATCH	CL. 4.6	CL. 4.7	CL. 4.9	CL. 8.5	CL. 8.7.1	CL. 8.8	CL. 8.9	CL. 8.10
LKS2125	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
LKS2493	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
LKS2676	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

BATCH	CL. 8.12 - FLEXURE TEST RESULT
LKS2955	FAIL

9. PARTICIPANT RESULTS (SEE APPENDIX B)

CODE	CL. 4.2 - FLAMMABILITY RESULT
LT3107-10	PASS

CODE	ELEMENT	Cl. 4.3.3.2 - BODY (mg/L)	Cl. 4.3.3.2 - LIP & RIM (mg/L)
LKS3210-06	Pb	0.2206	< 0.01
	Cd	0.071	< 0.01

CODE	ELEMENT	Cl. 4.3.5.1 - RESULTS (mg/kg)
LPA3542-12	Ba	10.57
	Cd	0
	Cr	0
	Pb	179.96
	Se	0
	As	0
	Hg	0.22
	Sb	0

CODE	Cl. 4.6	Cl. 4.7	Cl. 4.9	Cl. 8.5	Cl. 8.7.1	Cl. 8.8	Cl. 8.9	Cl. 8.10
LKS2493-08	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
LKS2676-04	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
LKS2125-13	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

CODE	Cl. 8.12 - FLEXURE TEST RESULT
LKS2955-05	FAIL

10. STATISTICS

The results must be treated as qualitative and quantitative.

For qualitative results (**PASS/FAIL results, or absence of the elements**), the comparison will be made directly against the assigned values, so any difference will be evaluated as **Unsatisfactory**.

In cases where the participant's LOD is greater than the reference, it will be considered **Satisfactory** if the reference value is below the participant's LOD.

For quantitative results, the comparison is made according to B.3.1.3 of ISO 17043 and the appropriate technique is to compare participant results with the assigned values.

The results can be compared using ***z score***.

$$z = \frac{x - X}{\hat{\sigma}}$$

x is the participant's result

X is the assigned value

$\hat{\sigma}$ is the standard deviation

The performance evaluation is carried out with the following criteria:

$|z| \leq 2.0$ indicates “satisfactory” performance and generates no signal;

$2.0 < |z| < 3.0$ indicates “questionable” performance and generates a warning signal;

$|z| \geq 3.0$ indicates “unsatisfactory” performance and generates an action signal;

11. EVALUATION OF PERFORMANCE

BATCH LT3107

QUALITATIVE RESULTS - CL. 4.2 - FLAMMABILITY RESULT		
PARTICIPANT RESULT	ASSIGNED VALUE	PERFORMANCE RESULT
PASS	PASS	SATISFACTORY

BATCH LKS3210

QUALITATIVE RESULTS - CL. 4.3.3.2 (mg/L)				
ELEMENT	COMPONENT	PARTICIPANT RESULT	ASSIGNED VALUE	PERFORMANCE RESULT
Pb	LIP & RIM	< 0.01	< 0.004	SATISFACTORY
Cd	LIP & RIM	< 0.01	< 0.004	SATISFACTORY

QUANTITATIVE RESULTS - CL. 4.3.3.2 (mg/L)					
TEST	COMPONENT	PARTICIPANT RESULT	ASSIGNED VALUE	z score	PERFORMANCE RESULT
Pb	BODY	0.2206	0.2258	0.7	SATISFACTORY
Cd	BODY	0.071	0.078	1.4	SATISFACTORY

BATCH LPA3542

QUALITATIVE RESULTS - CL. 4.3.5.1 (mg/kg)			
ELEMENT	PARTICIPANT RESULT	ASSIGNED VALUE	PERFORMANCE RESULT
Cd	ABSENCE	ABSENCE	SATISFACTORY
Cr	ABSENCE	ABSENCE	SATISFACTORY
Se	ABSENCE	ABSENCE	SATISFACTORY
As	ABSENCE	ABSENCE	SATISFACTORY
S	ABSENCE	ABSENCE	SATISFACTORY

QUANTITATIVE RESULTS - CL. 4.3.5.1 (mg/kg)				
ELEMENT	PARTICIPANT RESULT	ASSIGNED VALUE	z score	PERFORMANCE RESULT
Ba	10.57	10.09	1.5	SATISFACTORY
Pb	179.96	182.58	0.7	SATISFACTORY
Hg	0.22	0.25	1.6	SATISFACTORY

BATCH LKS2493

QUALITATIVE RESULTS			
CLAUSE	PARTICIPANT RESULT	ASSIGNED VALUE	PERFORMANCE RESULT
4.6	PASS	PASS	SATISFACTORY
4.7	PASS	PASS	SATISFACTORY
4.9	PASS	PASS	SATISFACTORY
8.5	PASS	PASS	SATISFACTORY
8.7.1	PASS	PASS	SATISFACTORY
8.8	PASS	PASS	SATISFACTORY
8.9	PASS	PASS	SATISFACTORY
8.10	PASS	PASS	SATISFACTORY

BATCH LKS2676

QUALITATIVE RESULTS			
CLAUSE	PARTICIPANT RESULT	ASSIGNED VALUE	PERFORMANCE RESULT
4.6	PASS	PASS	SATISFACTORY
4.7	PASS	PASS	SATISFACTORY
4.9	PASS	PASS	SATISFACTORY
8.5	PASS	PASS	SATISFACTORY
8.7.1	PASS	PASS	SATISFACTORY
8.8	PASS	PASS	SATISFACTORY
8.9	PASS	PASS	SATISFACTORY
8.10	PASS	PASS	SATISFACTORY

BATCH LKS2125

QUALITATIVE RESULTS			
CLAUSE	PARTICIPANT RESULT	ASSIGNED VALUE	PERFORMANCE RESULT
4.6	PASS	PASS	SATISFACTORY
4.7	PASS	PASS	SATISFACTORY
4.9	PASS	PASS	SATISFACTORY
8.5	PASS	PASS	SATISFACTORY
8.7.1	PASS	PASS	SATISFACTORY
8.8	PASS	PASS	SATISFACTORY
8.9	PASS	PASS	SATISFACTORY
8.10	PASS	PASS	SATISFACTORY

BATCH LKS2955

QUALITATIVE RESULTS - CL. 8.12 - FLEXURE TEST RESULT		
PARTICIPANT RESULT	ASSIGNED VALUE	PERFORMANCE RESULT
FAIL	FAIL	SATISFACTORY

12. CONCLUSIONS

The overall performance on this **SQ-3025.V15** program from the participant laboratory **BUREAU VERITAS CONSUMER PRODUCTS SERVICES MEXICO**, is **SUFFICIENT** based on expected results.

The criteria used for the evaluation of the overall performance are the following:

- **SUFFICIENT** performance: No unsatisfactory/questionable results were obtained.
- **ALMOST SUFFICIENT** performance: No unsatisfactory results were obtained, but one questionable result was found.
- **INSUFFICIENT** performance: An unsatisfactory result or two questionable results were obtained.

APPENDIX A

INSTRUCTIONS



INSTRUCTIONS

PROGRAM:	CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY
CODE:	SQ-3025
VERSION:	15
STANDARD:	ASTM F963
COORDINATOR:	Lic. Esther Casas (ecasas@ptsouthquality.com)

1 - General

This document serves as a guide for managing the results of the **SQ-3025.V15** program.

2 - Standard

ASTM F963 - 23

3 - Tests involved

TEST
Verification of compliance with toy safety requirements

4 - Samples

CODE	SAMPLE	QUANTITY	TEST
LT3107-10	White fabric - 150 x 50 cm	1	Cl. 4.2
LKS3210-06	Porcelain tea set	2	Cl. 4.3.3.2
LPA3542-12	Painted metal sheet - 20 x 10 cm	1	Cl. 4.3.5.1
LKS2493-08	3D maze - Toy < 18 m	1	Cl. 4.6+4.7+4.9+8.5+8.7.1+8.8+8.9+8.10
LKS2676-04	Toddler walker - Toy 18-36 m	1	Cl. 4.6+4.7+4.9+8.5+8.7.1+8.8+8.9+8.10
LKS2125-13	3-Level service station - Toy >36 m	1	Cl. 4.6+4.7+4.9+8.5+8.7.1+8.8+8.9+8.10
LKS2955-05	Plush elephant - Toy < 18 m	1	8.12

5 - Notes

- Being a bilateral program, there is no deadline for submitting results.
- The participant must submit the results using the usual report employed by their laboratory.
- The samples are to be handled as routine lab samples, with all testing, documentation, and reporting adhering to ASTM F963.
- Samples must be retained until the end of the program, which concludes with the submission of the final report.
- To review the results, test images would be appreciated. Images can be attached at the end of this document or sent by email.

PHOTOGRAPHS

DSQ-012 - REV 06 -

SQ-3025.V15

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APPENDIX B

PARTICIPANT RESULTS (TR # (7625)329-0011 REV)


**BUREAU
VERITAS**

CONSUMER PRODUCTS SERVICES DIVISION

PT SOUTH QUALITY SAS

Technical Report: (7625)329-0011 Revision

Feb 17, 2026

Revision Date: April 23, 2026

Date Received: Nov 25, 2025

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 ENG. ALFREDO SCHMIDT / LIC. ESTHER CASAS
 PT SOUTH QUALITY SAS
 BUENOS AIRES, ARGENTINA

Sample Description:	PT-SQ-3025.V15		
Manufacturer:	/	PO No.:	/
Buyer:	/	Model/Style:	/
Country of Origin:	/	Country of Destination:	/
Color:	/	SKU No.:	/
Reference No.:	/	UPC Code:	/
Previous Report No.:	/	Lot No.:	/
Protocol No.:	/		

EXECUTIVE SUMMARY:

 Overall Rating = **FAIL**

 The sample(s) **DOES NOT MEET** the below requirement(s):

PAINT MATERIALS (CI, 4.3.5.1) (HEAVY METALS – ASTM F963 – 23) (CPSD-AN-00003-MTHD)
FLEXURE TEST – ASTM F963-23 SEC 8.12

 The sample(s) **MEET** the below requirement(s):

CERAMICWARE, LEAD AND CADMIUM CONTAMINATION – (CI, 4.3.3.2) – ASTM F963-23 (ISO 7086 1&2)
TOYS – TEXTILE FABRICS FLAMMABILITY – ASTM F963-23 SEC. 4.2 & ANNEX A6
SMALL OBJECTS – ASTM F963-23 SEC 4.6 / 16 CFR 1501
ACCESSIBLE EDGES – ASTM F963-23 SEC. 4.7 / 16 CFR 1500.49
ACCESSIBLE POINTS – ASTM F963-23 SEC 4.9 / 16 CFR 1500.48
NORMAL USE TEST – ASTM F963-23 SEC 8.5
IMPACT TEST – ASTM F963-23 SEC. 8.7.1
TORQUE TEST FOR REMOVAL OF COMPONENTS – ASTM F963-23 SEC. 8.8
TENSION TEST FOR REMOVAL OF COMPONENTS – ASTM F963-23 SEC. 8.9
COMPRESSION TEST – ASTM F963-23 8.10
Note: This Revision updates results of "FLEXURE TEST – ASTM F963-23 SEC 8.12" test. The overall rating does not change. April 23, 2026.
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RESULTS:

CERAMICWARE, LEAD AND CADMIUM CONTAMINATION – (CI, 4.3.3.2) – ASTM F963 – 23 (ISO 7086 1&2)

Sample ID	Sample Description	Requirement(s): (mg/L)	Result(s): (mg/L)	Rating
A.	PORCELAIN TEA SET	Lead (Pb): 1.5	0.2206	PASS
		Cadmium (Cd): 0.5	0.0710	PASS

Key:
 mg/L = milligrams per liter.

LT= Less Than

CERAMICWARE, LEAD AND CADMIUM CONTAMINATION LIP & RIM – (CI, 4.3.3.2) – ASTM F963 – 23 (ISO 7086 1&2)

Sample ID	Sample Description	Requirement(s): (mg/L)	Result(s): (mg/L)	Rating
A.	PORCELAIN TEA SET	Lead (Pb): 2	LT 0.01	PASS
		Cadmium (Cd): 0.2	LT 0.01	PASS

Key:
 mg/L = milligrams per liter.

LT= Less Than

PAINT MATERIALS (CI, 4.3.5.1) (HEAVY METALS – ASTM F963 – 23) (CPSD-AN-00003-MTHD)

	Test Parameter:	Ba	Cd	Cr	Pb	Se	As	Hg	Sb	Rating
	Requirements (mg/kg):	1000	75	50	90	500	25	60	60	
Sample ID	Sample Description	Result(s) (mg/kg)								Rating
A.	PT-SQ-3025.V15 (PAINTED METAL SHEET)	10.57	0.00	0.00	179.96	0.00	0.00	0.22	0.00	

Key:
 ppm = Parts per Million (mg/kg)

LT= Less Than

TOYS - TEXTILE FABRICS FLAMMABILITYASTM F963-23 SEC. 4.2 & ANNEX A6

Sample ID	Sample Description	Requirement:	Result(s)	Rating
A.	WHITE FABRIC – 150 X 50 CM	Textile fabrics used in toys shall meet the requirement as specified in ASTM F963 Section 4.2 and Annex A6.	M	PASS



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Evaluation	Citation / Method	Criteria	Result	Rating
MECHANICAL HAZARDS				
Small Objects	ASTM F963-23 Sec 4.6 / 16 CFR 1501	Toys intended for children under 36 months (3 years) of age shall not include removable, liberated components, or fragments of toys before or after use and abuse that are small enough (without being compressed) to fit entirely within the small parts cylinder	M	PASS
Accessible edges	ASTM F963-23 Sec. 4.7 / 16 CFR 1500.49	Toys intended for children under 8 years of age shall not have accessible, potentially hazardous sharp edges before or after use and abuse testing.	M	PASS
Accessible points	ASTM F963-23 Sec 4.9 / 16 CFR 1500.48	Toys intended for children under 8 years of age shall not have accessible, potentially hazardous sharp points before or after use and abuse testing.	M	PASS
Normal Use test	ASTM F963-23 Sec 8.5	The object of these tests shall be to simulate the normal play mode of the toy. Levers, wheels, catches, triggers, strings, wires, chains, and so on, that are intended to be actuated by a child shall be operated repeatedly. The tests are intended to uncover hazards rather than to demonstrate the reliability of the toy. The tests shall be conducted in an expected use environment.	M The beads were repeatedly moved through the entire path with no visible signs of hazardous edges, small parts, projections or hazardous points	PASS
Impact Test	ASTM F963-23 Sec. 8.7.1	4.5 ft (1.37 m), 10 Drops Age (Months): 0 to ≤ 18	M	PASS
Torque Test for removal of components	ASTM F963-23 Sec. 8.8	2 in - lbf (0.23 N - m) Age (Months): 0 to ≤ 18	M	PASS
Tension Test for removal of components	ASTM F963-23 Sec. 8.9	10 lbf (44.5 N) Age (Months): 0 to ≤ 18	M	PASS
Compression Test	ASTM F963-23 8.10	20 lb (89 N) Age (Months): 0 to ≤ 18	M	PASS
Flexure test	ASTM F963-23 Sec 8.12	30 cycles	M	PASS
SAMPLE: 3D Maze – Toy				



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Evaluation	Citation / Method	Criteria	Result	Rating
MECHANICAL HAZARDS				
Small Objects	ASTM F963-23 Sec 4.6 / 16 CFR 1501	Toys intended for children under 36 months (3 years) of age shall not include removable, liberated components, or fragments of toys before or after use and abuse that are small enough (without being compressed) to fit entirely within the small parts cylinder	M	PASS
Accessible edges	ASTM F963-23 Sec. 4.7 / 16 CFR 1500.49	Toys intended for children under 8 years of age shall not have accessible, potentially hazardous sharp edges before or after use and abuse testing.	M	PASS
Accessible points	ASTM F963-23 Sec 4.9 / 16 CFR 1500.48	Toys intended for children under 8 years of age shall not have accessible, potentially hazardous sharp points before or after use and abuse testing.	M	PASS
Normal Use test	ASTM F963-23 Sec 8.5	The object of these tests shall be to simulate the normal play mode of the toy. Levers, wheels, catches, triggers, strings, wires, chains, and so on, that are intended to be actuated by a child shall be operated repeatedly. The tests are intended to uncover hazards rather than to demonstrate the reliability of the toy. The tests shall be conducted in an expected use environment	M The sample was tested with a dummy car, no visible hazardous points, edges or projections were found, also was repeatedly assembled with no hazards found.	PASS
Impact Test	ASTM F963-23 Sec. 8.7.1	3 ft (0.91 m), 4 drops Age (Months): > 36 to ≤ 96	M	PASS
Torque Test for removal of components	ASTM F963-23 Sec. 8.8	4 in - lb (0.45 N - m) Age (Months): > 36 to ≤ 96	M	PASS
Tension Test for removal of components	ASTM F963-23 Sec. 8.9	15 lb (66.8 N) Age (Months): > 36 to ≤ 96	M	PASS
Compression Test	ASTM F963-23 8.10	30 lb (133.5 N) Age (Months): > 36 to ≤ 96	M	PASS
Flexure test	ASTM F963-23 Sec 8.12	30 cycles	NA	NA
SAMPLE: 3-level service station				



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Evaluation	Citation / Method	Criteria	Result	Rating
MECHANICAL HAZARDS				
Small Objects	ASTM F963-23 Sec 4.6 / 16 CFR 1501	Toys intended for children under 36 months (3 years) of age shall not include removable, liberated components, or fragments of toys before or after use and abuse that are small enough (without being compressed) to fit entirely within the small parts cylinder	M	PASS
Accessible edges	ASTM F963-23 Sec. 4.7 / 16 CFR 1500.49	Toys intended for children under 8 years of age shall not have accessible, potentially hazardous sharp edges before or after use and abuse testing.	M	PASS
Accessible points	ASTM F963-23 Sec 4.9 / 16 CFR 1500.48	Toys intended for children under 8 years of age shall not have accessible, potentially hazardous sharp points before or after use and abuse testing.	M	PASS
Normal Use test	ASTM F963-23 Sec 8.5	The object of these tests shall be to simulate the normal play mode of the toy. Levers, wheels, catches, triggers, strings, wires, chains, and so on, that are intended to be actuated by a child shall be operated repeatedly. The tests are intended to uncover hazards rather than to demonstrate the reliability of the toy. The tests shall be conducted in an expected use environment.	M The sample was tested repeatedly moving the wheels on a leveled vinyl composition tile. The handle was moved repeatedly from 0° to 90°. And the movable parts on the surface of the toy were also repeatedly moved. After the tests, no hazardous points, edges or projections, or small parts were found	PASS
Impact Test	ASTM F963-23 Sec. 8.7.1	3 ft (0.91 m), 4 drops Age (Months): > 18 to ≤ 36	M	PASS
Torque Test for removal of components	ASTM F963-23 Sec. 8.8	3 in - lb (0.34 N - m) Age (Months): > 18 to ≤ 36	M	PASS
Tension Test for removal of components	ASTM F963-23 Sec. 8.9	15 lb (66.8 N) Age (Months): > 18 to ≤ 36	M	PASS
Compression Test	ASTM F963-23 8.10	25 lb (111.3 N) Age (Months): > 18 to ≤ 36	M	PASS
Flexure test	ASTM F963-23 Sec 8.12	30 cycles	NA	NA
SAMPLE: Toddler walker				



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Evaluation	Citation / Method	Criteria	Result	Rating
MECHANICAL HAZARDS				
Flexure test	ASTM F963-23 Sec 8.12	30 cycles	NM The sample generated a Projection (ASTM F963-23 Sec. 4.8) after test (See Exhibits 1 & 2)	FAIL
SAMPLE: Plus Elephant				



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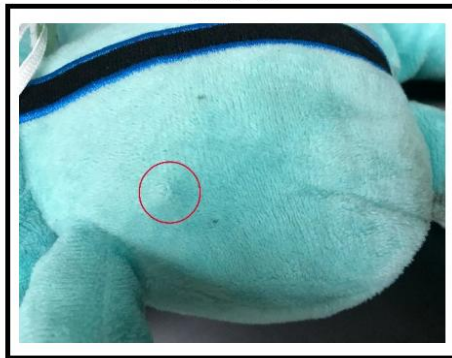
This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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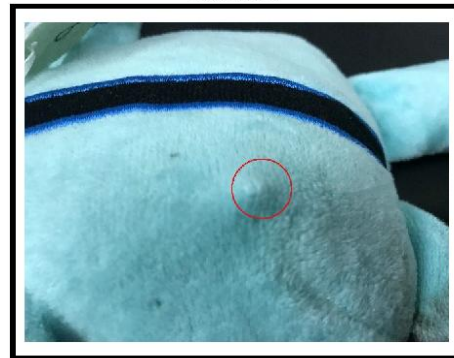
FAILED PHOTOS

EXHIBIT #1



FAILURE VIEW OF A PROJECTION AFTER
FLEXURE TEST
(Sample Plus Elephant)

EXHIBIT #2



FAILURE VIEW OF A PROJECTION AFTER FLEXURE
TEST
(Sample Plus Elephant)



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ADDITIONAL PHOTOS

EXHIBIT #3



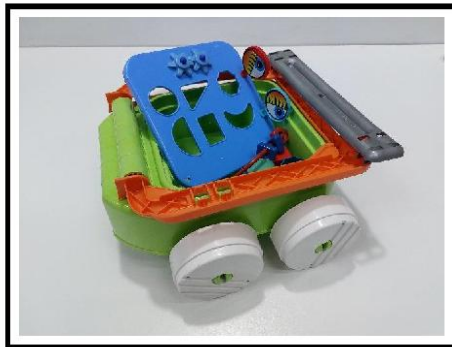
VIEW OF SAMPLE "3D MAZE"

EXHIBIT #4



VIEW OF SAMPLE "3-LEVEL SERVICE STATION"

EXHIBIT #5



VIEW OF SAMPLE "TODDLER WALKER"

EXHIBIT #6



VIEW OF SAMPLE "PLUS ELEPHANT"



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EXHIBIT #7



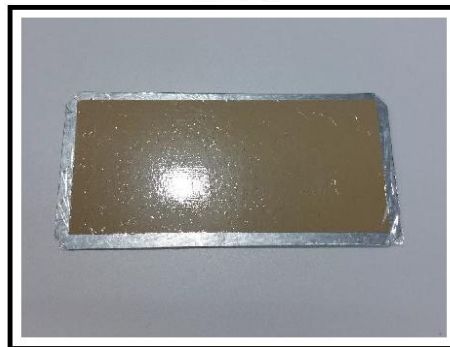
VIEW OF SAMPLE "PORCELAIN TEA SET"

EXHIBIT #8



VIEW OF SAMPLE "FABRIC WHITE"

EXHIBIT #9



VIEW OF SAMPLE "PAINTED METAL SHEET"

----- END OF REPORT -----