Test Report

Date : 2026-10-15
No. : BP26100003-R2

Applicant	:	Smarty Fun LLC 1208 Sherbrook Drive Pittsburgh, PA 15241 412-551-8970 info@smartyfun.com Attn: John Cushma
Description of Samples	:	BUILDING PACK 1, SKU: SF-CPB-PACK1, ASIN: B0HN6YQQP6 COUNTRY OF DESTINATION: USA AGE GRADE DECLARED: 3+ AGE GRADE TESTED: 3+ FOUND TO COMPLY WITH AGE GRADE: 3+
Date Samples Received	:	2026-10-02
Date Tested	:	2026-10-05 – 2026-10-06, 2026-10-15
Conclusions	:	The submitted sample(s) **complied** with the test requirements: - ASTM F963-23 Physical & Mechanical testing, Flammability testing, Soluble Heavy Metals, Total Lead - CPSIA Total Lead, Phthalates, Tracking Labels Section 103
Investigation Requested	:	1. ASTM F963-23 - Physical & Mechanical testing - Flammability testing - Soluble Heavy Metals 2. CPSIA - - Total Lead - Phthalates - CPSIA of 2008 Tracking Labels Section 103

David A. Esral, Technical Director

Date: 15 October, 2026

Accreditation # 69555
STC USA LLC is accredited to ISO/IEC 17025:2017
CPSC Identification Number: 1361

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1. ASTM F963-23

1.1 Physical and Mechanical Testing
Ref: ASTM F963-23, 16 CFR1500.48-53, 16 CFR1501
AGE GRADE DECLARED: 3+
AGE GRADE TESTED: 3+
FOUND TO COMPLY WITH AGE GRADE: 3+
Result: Pass

Section	Description	Comment	Rating
4.1	Material Quality		Pass
4.2	Flammability	See results in report	Pass
4.3	Toxicology	See results in report	Pass
4.3.7	Stuffing Materials		NA
4.4	Electrical/thermal energy		NA
4.5	Sound producing toys		NA
4.6	Small Objects		NA
4.7	Accessible Edges		Pass
4.8	Projections		Pass
4.9	Accessible Points		Pass
4.10	Wires or Rods		NA
4.11	Nail & Fasteners		NA
4.12	Plastic Film		NA
4.13	Folding Mechanisms & Hinges		NA
4.14	Cords, Straps, and Elastics		NA
4.15	Stability and Over-load Requirements		NA
4.16	Confined Spaces		NA
4.17	Wheels, Tires and Axles		NA
4.18	Holes, Clearance & Accessibility of Mechanisms		NA
4.19	Simulated Protective Devices		NA
4.20	Pacifiers		NA
4.21	Projectiles		NA
4.22	Teethers and Teething Toys		NA
4.23	Rattles		NA
4.24	Squeeze Toys		NA
4.25	Battery Operated Toys		NA
4.26	Toys Intended to be Attached to a Crib or Playpen		NA
4.27	Stuffed and Beanbag-Type Toys		NA
4.28	Stroller and Carriage Toys		NA
4.29	Art Materials		NA
4.30	Toy Gun Marking		NA
4.31	Balloons		NA

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4.32	Certain Toys with nearly spherical ends		NA
4.33	Marbles		NA
4.34	Balls		NA
4.35	Pompoms		NA
4.36	Hemispheric-shaped Objects		NA
4.37	YoYo Elastic Tether Toys		NA
4.38	Magnets		NA
4.39	Jaw Entrapment in Handles and Steering Wheels		NA
4.40	Expanding Materials		NA
4.41	Toy Chests		NA
5.	Labeling Requirements		Pass
6.	Instructional Literature		NA
7.	Producer's Markings		Pass
8.5	Normal Use Testing	Paper rips to small parts; paper exempt from small parts	Pass
8.6	Abuse Testing		Pass
8.7	Impact testing		Pass
8.8	Torque Tests for Removal of Components		Pass
8.9	Tension Test for Removal of Components	Paper rips to small parts; paper exempt from small parts	Pass
8.10	Compression Test		NA

1.2 Flammability Testing
Ref: ASTM F963-23, 16 CFR1500.44
Burn Rate shall not be greater than 0.1 inch per second
Result: Pass

Component	Burned Length (inches)	Burning Time (Sec)	Burning Rate (inches/sec.)
Cardboard, corner	0	0	DNI
Cardboard, top	0	0	DNI
Cardboard, bottom	0	0	DNI

Key: DNI: Did Not Ignite
SE: Self Extinguished

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Item Number	Component Description
A1	Coating on cardboard

1.3 Soluble Heavy Metals

Ref: ASTM F963-23, Section 4.3.5.1 (2) & 4.3.5.2(2)(b)/ Section A12.7
Method: ASTM F963-23, Section 8.3
Determined by: ICP-OES
Results: Pass

Parameter	Unit	A1	Limit
Total Lead (Pb)	mg/kg	<10	90
Total Arsenic (As)	mg/kg	<10	25
Total Barium (Ba)	mg/kg	<10	1000
Total Cadmium (Cd)	mg/kg	<10	75
Total Chromium (Cr)	mg/kg	<10	60
Total Mercury (Hg)	mg/kg	<10	60
Total Antimony (Sb)	mg/kg	<10	60
Total Selenium (Se)	mg/kg	<10	500
Conclusion		Pass	

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2. CPSIA

2.1 Total lead for substrate as required by Sec. 101(a) and 15 US Code 1278a, Total lead for coatings 16 CFR 1303
Method: Inductively Coupled Argon Plasma
CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3, CPSC-CH-E1003-09.1
Result: Pass

Component	Result (ppm)	Requirement (ppm)	Rating
A1	ND	<100	Pass

Key: ND None Detected

2.2 Phthalates content as required by section 108 and 16 CFR 1307 and 15 US Code 2057c
Method: Gas Chromatography-Mass Spectrometry, CPSC-CH-C1001-09.4
Result: Pass

Phthalate	A1	Requirement (ppm)
DBP	ND	<1000
BBP	ND	<1000
DEHP	ND	<1000
DIBP	ND	<1000
DCHP	ND	<1000
DnHexylP	ND	<1000
DPENP	ND	<1000
DINP	ND	<1000

Note:
ND = None Detected
ppm = Parts per Million
DBP = Dibutyl Phthalate
BBP = Benzyl Butyl Phthalate
DEHP = Di-(2ethylhexyl) Phthalate
DIBP = Diisobutyl Phthalate
DCHP = Dicyclohexyl Phthalate
DnHexylP = Di-n-hexyl Phthalate
DPENP = Di-n-pentyl Phthalate
DINP = Diisononyl Phthalate

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2.3 Tracking Labels
Ref: CPSIA of 2008 Tracking Labels Section 103
Result: Pass

Rule	Comments	Rating
Must have distinguishing permanent marks That are affixed to the packaging, and provide the following information:		Pass
Manufacturer or private labeler name		Pass
Location and date of production of the product		Pass
Detailed information, such as batch or run number, or other identifying characteristics		Pass
Any other information to ascertain the specific source of the product		Pass

*****END OF TEST REPORT*****

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Appendix for Photos:

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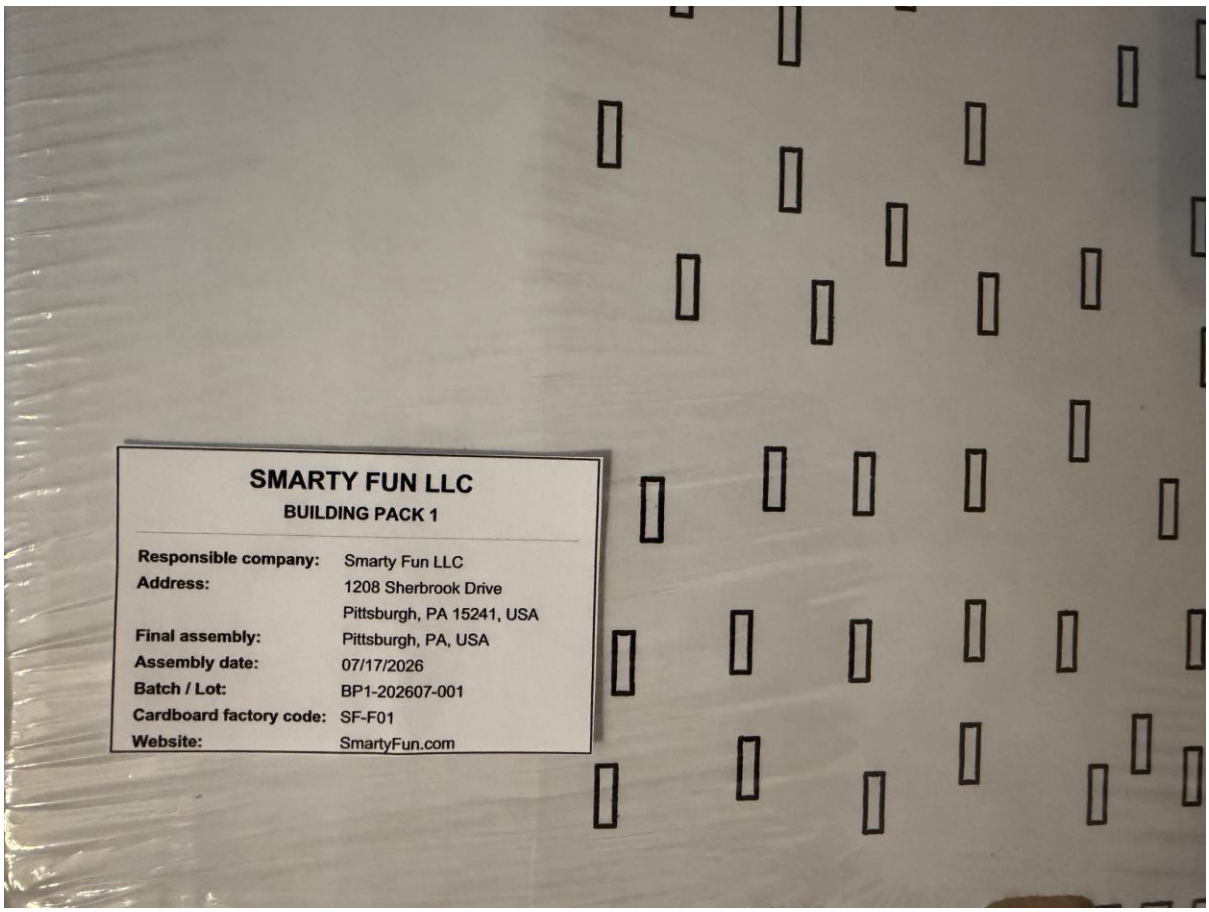

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