

Test Report No.: 5194426-CH-02 Date: July 01, 2024 Page 1 of 10

441499

5194426 June 17, 2024

July 01, 2024

The Step 2 Company, LLC

10010 Aurora Hudson RD

Streetsboro, OH 44241

United States

Testing ID:
Order Number:
Receipt Date:
Test Report Date:

Attention: Alexander Murph

Sample Description:	My First Advent Calendar	
Sample/ Style No:	441499	
Ref No:	240609111	2 3 4
Color:	Brown, White, Red and Green	
Manufacturer:	The Step 2 Company, LLC	
Country of Origin:	United States	5 6 7 8 9 10
Labeled Age Grading:	18+ Months	
SGS Assessed Age: (based on CR 14379/ ASTM F963)	18+ Months	17 18 19 20 21 22 23 24

TEST(S) PERFORMED:	TEST METHOD(S):	RESULT(S):
Mechanical Hazards: Canadian Toys Regulations	SOR/2011-17	PASS
Canada Consumer Product Safety Act (S.C. 2010, c.21), Toys Regulations	SOR/2011-17, (Including amendments SOR/2012-71, SOR/2016-195, SOR/2016- 302, SOR/2018-138 and SOR/2022-122) - Section 27	
a) Heavy metals in plastic material		PASS
Canada Consumer Product Safety Act (S.C. 2010, c.21), Consumer Products Containing Lead Regulations – Lead content	SOR/2018-83	PASS
Canada Phthalates Regulations – Phthalates' content	SOR/2016-188	PASS

Additional Testing Notes: None

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Summary of documentation provided by vendors/suppliers for the compliance evaluation:

Part #	Reference Report	Report Date	Testing Completed
142516	N/A	N/A	N/A
142517	N/A	N/A	N/A
193713	T52410300731TC	Jun 14, 2024	Lead, Mercury, and Heavy Metal.

Signed for and on behalf of SGS North America, Inc.

Brian Murphy

Prepared By:

Brian Murphy

Laboratory Supervisor, Chemistry Laboratory

Claudia Santos Nascimento

Technical Report Writer, Chemistry Laboratory

Claudia hascimento

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Photograph Section:



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Mechanical Hazards: Canadian Toys Regulations

<u>Procedure (Summary):</u> The submitted samples were tested in accordance with the procedures outlined in the Canadian Toys Regulations – *SOR/2011-17*.

Sample I.D.: My First Adv	vent Calendar		
Age Label on Product:	18+ Months	Age Applied in Testing:	18+ Months

Clause		Pass	Fail	N/A	Not
					Performed
3	General	Х			
4	Packaging	Х			
5	Electrically Operated Toys			Х	
6	Electrically Heated Toys			Х	
7	Small Parts	Х			
8	Metal Edge			Х	
9	Wire Frame or Structure			Χ	
10	Plastic Toys	X			
11	Wooden Toys			Х	
12	Toys with Glass Components			Χ	
13	Fasteners	X			
14	Folding Mechanisms			Х	
15	Spring Around Driving Mechanism			Х	
16	Projectile			Х	
17	Enclosures			Χ	
18	Stability			Χ	
19	Sound Level			Х	
20	Flammability			X	
21	Celluloid or Cellulose nitrate	X			
22	Specific Toxic Substances			X	
23	Specific Substances in Surface Coating			Х	
24	Organic Solvents- Balloon Blowing Kits			Χ	
25	General Requirements			Χ	
26	Corrosive Substances, Irritants or Sensitizers			Χ	
27	Substances in Plastic Materials	Х			
28	Dolls, Plush Toys, and Soft Toys			Х	
29	Stuffing Materials			Х	
30	Squeaker, Reed, Valve, or Another Similar Device			Х	
31	Eyes and Noses			Χ	
32	Flammability of Fabric			Χ	
33	Flammability of Yarn			Χ	
34	Flammability of Hair or Mane			Х	
35	Plant Seeds – Noise			Х	
36	Plant Seeds – Stuffing Materials			Х	
37	Pull and Push Toys			Х	

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Clause		Pass	Fail	N/A	Not Performed
39	Finger Paints			Х	
40	Rattle			Х	
41	Elastic			Х	
42	Yo-Yo			Х	
43	Magnetic Toys			Х	

Mechanical Hazards Performance Test						
Test	est Test Parameters					
Age Group	0-18 months	0-18 months 19-36 months 37+ Months				
Impact Remark:	4.5 feet, 4 times	3.0 feet, 4 times	3.0 feet, 4 times			
Tension:						
A) For Eyes and Nose on Dolls:	20 lbf/ 5 Minutes	20 lbf/ 5 Minutes	20 lbf/ 5 Minutes			
B) For other Parts:	10 lbf/ 10 Seconds	10 lbf/ 10 Seconds	10 lbf/ 10 Seconds			

Conclusion:

When tested as specified, the submitted sample **does comply** with the Canadian Toys Regulations, SOR/2011-17, for all clauses tested.

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Chemical Analysis:

- 1. Canada Consumer Product Safety Act (S.C. 2010, c. 21), Toys Regulations (SOR/2011-17) (Including amendments SOR/2012-71, SOR/2016-195, SOR/2016-302, SOR/2018-138 and SOR/2022-122) Section 27
- a) Heavy metals in plastic material

Method: With reference to ASTM F963-23 Clause 8.3. Analysis was performed by ICP-OES.

Test Item		Result (mg/kg)			Reporting	Soluble Limit
rest item		1	2	3	Limit (mg/kg)	(mg/kg)
Total Lead	(Pb)	ND	ND	ND	20	90
Total Antimony	(Sb)	ND	ND	ND	20	60
Total Arsenic	(As)	ND	ND	ND	20	25
Total Barium	(Ba)	ND	ND	ND	100	1000
Total Cadmium	(Cd)	ND	ND	ND	20	75
Total Chromium	(Cr)	ND	ND	ND	20	60
Total Mercury	(Hg)	ND	ND	ND	1	10
Total Selenium	(Se)	ND	ND	ND	20	500
Comment		PASS	PASS	PASS		

Test Item		Result (mg/kg)			Reporting	Soluble Limit
		4	5	6+7+8	Limit (mg/kg)	(mg/kg)
Total Lead	(Pb)	ND	ND	ND	20	90
Total Antimony	(Sb)	39.4	39.4	ND	20	60
Total Arsenic	(As)	ND	ND	ND	20	25
Total Barium	(Ba)	ND	ND	ND	100	1000
Total Cadmium	(Cd)	ND	ND	ND	20	75
Total Chromium	(Cr)	ND	ND	ND	20	60
Total Mercury	(Hg)	ND	ND	ND	1	10
Total Selenium	(Se)	ND	ND	ND	20	500
Comment		PASS	PASS	PASS		

Test Item		Result (mg/kg) 9	Reporting Limit (mg/kg)	Soluble Limit (mg/kg)
Total Lead	(Pb)	ND	20	90
Total Antimony	(Sb)	ND	20	60
Total Arsenic	(As)	ND	20	25
Total Barium	(Ba)	ND	100	1000
Total Cadmium	(Cd)	ND	20	75
Total Chromium	(Cr)	ND	20	60
Total Mercury	(Hg)	ND	1	10
Total Selenium	(Se)	ND	20	500
Comment		PASS		

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Sample Description:

Associated Part Number	Part Description	Reference Report ID
1. 120152	PIGMENTED RESIN-TOUCHDOWN BROWN	5157355-CH-03
2. 120501	PIGMENTED RESIN - SNOWMAN WHITE (G89-8729-MA)	5129720-CH-03
3. 153044	MPI - 2.3 POLY / 4.5 MIL LAYFLAT / 1 POLY	5149481-CH-02
4. 161298	VENT PLUG, CLEAR, NO DATE, 2500/ctn	5183170-CH-02
5. 161437	VENT PLUG, TAN, WEEKLY DATED, 2500pcs/ctn	5183170-CH-02
6. 163444A02X	BIN, 2.75 x 2 x 2.75 - IM, STYLE 6, RED	-
7. 163444A03X	BIN, 2.75 x 2 x 2.75 - IM, STYLE 6, GREEN	-
8. 163444A04X	BIN, 2.75 x 2 x 2.75 - IM, STYLE 6, GOLD	-
9. 181922	(S) FASTENER, .25 DIA X .75 LONG (1500pc/bx)	-

Note: mg/kg = milligram per kilogram

ppm = parts per million

1% = 10000 mg/kg = 10000 ppm

ND = Not Detected

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^{* =} Exceed Permissible Limit



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2. Canadian Consumer Product Safety Act (S.C. 2010, c. 21), Consumer Products Containing Lead Regulations (SOR/2018-83) - Lead content

Method: With reference to Health Canada's Product Safety Laboratory test method C02.3.2:2021. Analysis was performed by ICP-MS or ICP-OES. (Test Method for Non-Metal)

With reference to Health Canada's Product Safety Laboratory test method C02.4:2017. Analysis was performed by ICP-MS or ICP-OES. (Test Method for Metal)

Test Item		Result (ppm)	Reporting	Permissible		
rest item	1	2	3	Limit (ppm)	Limit (ppm)	
Lead (Pb)	ND	ND	ND	20	90	
Comment	PASS	PASS	PASS			

Test Item	Result (ppm)			Reporting	Permissible
restitem	4	5	6	Limit (ppm)	Limit (ppm)
Lead (Pb)	ND	ND	ND	20	90
Comment	PASS	PASS	PASS		

Test Item	Result (ppm)		Reporting	Permissible	
rest item	7+8+9	10	Limit (ppm)	Limit (ppm)	
Lead (Pb)	ND	ND	20	90	
Comment	PASS	PASS			

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Sample Description:

Associated Part Number	Part Description	Reference Report ID
1. 120152	PIGMENTED RESIN-TOUCHDOWN BROWN	5157355-CH-03
2. 120501	PIGMENTED RESIN - SNOWMAN WHITE (G89-8729-MA)	5129720-CH-03
3. 153044	MPI - 2.3 POLY / 4.5 MIL LAYFLAT / 1 POLY	5149481-CH-02
4. 161298	VENT PLUG, CLEAR, NO DATE, 2500/ctn	5183170-CH-02
5. 161437	VENT PLUG, TAN, WEEKLY DATED, 2500pcs/ctn	5183170-CH-02
6. 180497	(S) SCREW, # 8 X 1 1/4 in. PHIL (3000pc/bx)	5183171-CH-SD
7. 163444A02X	BIN, 2.75 x 2 x 2.75 - IM, STYLE 6, RED	-
8. 163444A03X	BIN, 2.75 x 2 x 2.75 - IM, STYLE 6, GREEN	-
9. 163444A04X	BIN, 2.75 x 2 x 2.75 - IM, STYLE 6, GOLD	-
10. 181922	(S) FASTENER, .25 DIA X .75 LONG (1500pc/bx)	-

Note: mg/kg = milligram per kilogram

ND = Not Detected

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^{* =} Exceed Permissible Limit



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3. Canada Consumer Product Safety Act (S.C. 2010, c.21), Phthalates Regulations, SOR/2016-188 – Phthalates' content

Method: With reference to Health Canada's Product Safety Laboratory test method C34:2018. Analysis

was performed by GC-MS.

Test Item	Result (ppm) 1	Reporting Limit (ppm)	Permissible Limit (ppm)
Dibutyl Phthalate (DBP)	ND	150	1000
Benzylbutyl Phthalate (BBP)	ND	150	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	ND	150	1000
Diisononyl Phthalate (DINP)	ND	150	1000
Di-n-octyl Phthalate (DNOP)	ND	150	1000
Diisodecyl Phthalate (DIDP)	ND	150	1000
Comment	PASS		

Sample Description:

Associated Part Number	Part Description	Reference Report ID	
1. 153044	MPI - 2.3 POLY / 4.5 MIL LAYFLAT / 1 POLY	5149481-CH-02	

Note: % = percentage by weight

1% = 10000 mg/kg ND = Not Detected

* = Exceed Permissible Limit

REMARK:

When statement of conformity is made, unless the decision rule was mentioned in above specified test items, the decision rule would be based on the non-binary statement with guard band (is equal to the expanded measurement uncertainty with a 95% coverage probability, w = U95) in ILAC-G8:09/2019 Clause 4.2.3.

"Pass - the measured value is within (or below I above) the acceptance limit, where the acceptance limit is below I above to the guard band." or "Pass - The measured values were observed in tolerance at the points tested. The specific false accept risk is up to 2.5%." "Fail- the measured value is out of (or below I above) the tolerance limit added I subtracted to the guard band." or "Fail - One or more measured values were observed out of tolerance at the points tested". The specific false reject risk is up to 2.5%.

End of Report

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[&]quot;Guarded Pass if result is within the uncertainty passing band close to the specification."

[&]quot;Guarded Fail if the result is within the uncertainty failing band close to the specification."