



To be continued

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch

A handwritten signature in black ink, appearing to be 'Peter Chen'.

Peter Chen
General Manager



Greenbrier International, Inc. Test Report

Number: SHAH01557528



To be continued

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch

Peter Chen
General Manager



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Applicant: GREENBRIER INTERNATIONAL, INC
 500 VOLVO PARKWAY, CHESAPEAKE
 VIRGINIA 23320 USA
 Attn: DEBBIE SMITH

Date: 10 Apr, 2023

Overall Rating	Pass
-----------------------	-------------

Country	US and Canada
----------------	----------------------

Sample Description: PLASTIC WEAPON ASTD PDQ

Vendor:	Fourstar Group	Pervious Report #: (If retest)	--
Greenbrier Vendor #:	6695	Manufacturer Name:	NINGBO HAISHU SHENGYUAN PLASTIC FACTORY
Testing For – Select One	Dollar Tree	Manufacturer Address:	YUETONG VILLAGE, JISHIGANG TOWN, HAISHU DISTRICT, NINGBO, CHINA
Labeled Age Grade:	3+	Sample Size:	36 Sets Each Style
Appropriate Age Grade:	3+	GBI/DTSC SKU Number:	332538
Tested Age Grade:	3+	Additional SKU(s):	--
Client Specified Age Grade:	--	PO No(s) (USA):	00011710508
Age Evaluation Report #:	SHAH01551456	PO Ship Date(s)(USA):	04-May-2023
Country of Origin:	China	Additional PO No (USA):	--
Countries of Sale:	US and Canada	Additional PO Ship Date (USA):	--
Protocol No.:	GBFD-08000-AMN, GBFD-08444-US	PO No(s) (Canada):	00011710507
Department #:	15 Toys	PO Ship Date(s) (Canada):	04-May-2023
Sub-Department #:	45 Boys Toys	Additional PO No (Canada):	--

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Peter Chen
 General Manager



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Test Type:	Initial Test	Additional PO Ship Date (Canada):	--
Dollar Tree Direct (DTD) Sample Description:	--	GBI / DTD SKU / Child SKU:	--
Vendor Style No.:	--	DTD PO No.:	--
Sampling:	Y	DTD PO Ship Date:	--
Production Percentage:	First Off Line	DTD Country of Sale:	--
E3 Order:	No	UPC Code:	195464032879 195464032886 195464032862
Intertek Online TRF No.:	A003157941-REV01	PLM GB ID#	727847,727840

To be continued

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Peter Chen
General Manager



Executive Summary:

<i>Protocol</i>	<i>Test item</i>	<i>Rating</i>	<i>Comments</i>
GBFD-08000-AMN	Labeling	Pass	
GBFD-08000-AMN	Analytical	Pass	
GBFD-08000-AMN	Hazards	Pass	
GBFD-08000-AMN	Flammability	Pass	
GBFD-08444-US	Labeling	Pass	
GBFD-08444-US	Analytical	Pass	

Remarks: P = Pass, Fail = Fail, NA = Not Applicable, NT = Not Tested

Should you have any query on this report, you may contact : helen.yy.zhu@intertek.com

To be continued

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Intertek Testing Services Ltd .Zhejiang, Ningbo Branch



Peter Chen
General Manager



Tests Conducted

GREENBRIER & FAMILY DOLLAR GBFD - 08000 - AMN (PARTIAL) TOYS (V19)

	Evaluation	Citation / Method	No. of Samples	Criteria	Banner	Country	Result / Rating
SCOPE:							
<p>Family Dollar: Toy is defined as any object designed, manufactured, or marketed as a plaything for children under 14 years of age. Game consoles and it's associated accessories are defined as General Use Product unless it is embellished or decorated with childish themes or are marketed to children as per Interpretation of "Children's Product" - 16 CFR Part 1200 and will not be covered under this protocol.</p> <p>Note: For Toys and Children's Products 4x Production Stage testing: There are two types of testing - Full testing and Partial testing. Full testing: Apply all the applicable tests in the protocol. Partial testing: Apply tests marked "Partial testing" at the criteria.</p> <p>Greenbrier: For product submitting for both US and CN: This protocol is applicable to items classified as below (1) Product classified as toy in both US and CN; or (2) Product classified as non-toy children product for US and classified as toy for Canada Lab should apply only appropriate test lines as determined by the product classification. US toy regulation is not applicable for Case (2). Please refer Greenbrier-Specific Testing Direction in GRBI-GB-PTCL-SPECIAL INSTRUCTIONS.</p> <p>Note: For Toys and Children's Products 4x Production Stage testing: There are two types of testing - Full testing and Partial testing. Full testing : Apply all the applicable tests in the protocol. Partial testing : Apply tests marked "Partial testing" at the criteria.</p> <p>- Full labeling review may be evaluated in First Off Line Production (FOL) depends on whether packaging is submitted. 1. FOL submission without packaging - Conduct partial testing without packaging. 2. FOL submission with final packaging - Conduct partial testing except labeling (labeling require full testing).</p>							
SUPPLEMENTARY PROTOCOL							
Note: Additional cost, sample size & TAT may be required if testing to one or more supplemental protocol is necessary. Please refer to the below referenced supplemental protocol(s) for additional information.							
A	CPSIA REQUIREMENTS SUPPLEMENT - PARTIAL TESTING	GBFD-08444-US		[Partial testing] All samples shall be reviewed against the requirements of CPSIA Requirements supplemental protocol to determine if additional testing or labeling is required.	Family Dollar, Greenbrier	USA	See next section
LABELING							
	Age grading	CPSC Age Determination Guidelines / 16 CFR Part 1200		[Partial testing] All products shall be tested according to either the appropriate age grade, as determined by the lab, or the labeled age grade if it is more stringent. In the event the sample is not age labeled, lab will determine the appropriate age grade and test accordingly. -Required for products that are considered a Toy for US distribution. - If there is no labeled age grade for	Greenbrier	USA	Pass Label Age Grade : 3+ Tested Age Grade : 3+ years



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

	Evaluation	Citation / Method	No. of Samples	Criteria	Banner	Country	Result / Rating
				departments/sub-departments/classes: Dept 15 Toys Dept 16 Check Outs; Dept 24/Sub-Dept 20/Class 210; Dept 24/Sub-Dept 40/Class 440; Dept 24/Sub-Dept 60/Class 640; Dept 24/Sub-Dept 70/Class 720; Dept 24/Sub-Dept 75/Class 720; Dept 89/Sub-Dept 10/Class 200; Dept 91/Sub-Dept 30/Class 310; Dept 92/Sub-Dept 30/Class 310; Dept 93/Sub-Dept 30/Class 310; Dept 95/Sub-Dept 30/Class 310; report as FAIL. Note: - If the label age grade is different from the appropriate age grade, report as FAIL.			Appropriate Age Grade :3+ years
R	Toys - Labeling	ASTM F963-17		[Partial Testing] Shall meet labeling requirements as specified in standard.	Family Dollar, Greenbrier	USA	Pass
ANALYTICAL							
A R	Total heavy metal in surface coating	ASTM F963-17 Sec.4.3.5.1(2) & 8.3.1 / CPSC-CH-E1003-09.1		[Partial Testing] All accessible surface coating, before and after use and abuse testing, shall not contain compounds of which the metal content of the total content exceeds the levels by weight (mg/kg) of the contained solid including pigments, film solids and driers [Antimony (Sb) 60, Arsenic (As) 25, Barium (Ba) 1000, Cadmium (Cd) 75, Chromium (Cr) 60, Lead (Pb) 90, Mercury (Hg) 60, Selenium (Se) 500] Report actual results or include data table within report. If all heavy metal limits except for lead are met then no soluble lead testing will be conducted when the CPSIA total lead requirement is not met. Component testing is allowed. Based on the standard, will composite up to 3 colors. If any color in the composite exceeds 80% of the limit of any heavy metal except for lead based on the lowest weight component then soluble heavy metal content test with individual colors will be analyzed.	Family Dollar, Greenbrier	USA	Pass
A R	Total heavy metal in substrates	ASTM F963-17 Sec.4.3.5.2([Partial Testing] All accessible substrates, before and after use and abuse testing, shall have total heavy metals	Family Dollar, Greenbrier	USA	Pass



Tests Conducted

	Evaluation	Citation / Method	No. of Samples	Criteria	Banner	Country	Result / Rating
		2)(b) & 8.3.1 / 16 CFR 1251 / 16 CFR 1252 / 16 CFR 1253 / CPSC-CH-E1001-08.3 (Mod) / CPSC-CH-E1002-08.3 (Mod)		<p>content comply with the limits specified in Table 1 of the standard. [Antimony (Sb) 60 mg/kg, Arsenic (As) 25 mg/kg, Barium (Ba) 1000 mg/kg, Cadmium (Cd) 75 mg/kg, Chromium (Cr) 60 mg/kg, Lead (Pb) 90 mg/kg, Mercury (Hg) 60 mg/kg, Selenium (Se) 500 mg/kg]</p> <p>Note:</p> <ul style="list-style-type: none"> - Report actual results or include data table within report. - If all heavy metal limits except for lead are met then no soluble lead testing will be conducted when the CPSIA total lead requirement is not met. - Conduct soluble heavy metal test directly if there is only one textile component in the product. - Component testing is allowed. - Based on the standard, will composite up to 3 like materials. If any material in the composite exceeds 80% of the limit of any heavy metal except for lead based on the lowest weight component then soluble heavy metal content test with individual material will be analyzed. - Unfinished and untreated wood as defined in 16 CFR 1251 will not be tested. - Untreated and unfinished engineered wood products (EWPs), specifically, particleboard, hardwood plywood, and medium-density fiberboard, made from virgin wood or pre-consumer wood waste as defined in 16 CFR 1252 will not be tested. Vendor shall claim this determination in TRF, otherwise testing will be conducted in all woods. - These unfinished manufactured fibers: nylon, polyurethane (spandex), viscose rayon, acrylic and modacrylic and natural rubber latex, as defined in 16 CFR 1253 will not be tested. Vendor shall claim this determination in TRF, otherwise testing will be conducted in all fibers. - Accessible glass, metal and ceramic toys or parts of toys are only tested if they are small parts. - Paper and paperboard are exempt for testing. - Substrates for children aged 6 or more are exempt for testing unless the parts can be mouthed, sucked or ingested. 	r		
A	Total cadmium in surface coating	CPSC-CH-E1003-09.1 (Mod)		[Partial Part] All accessible surface coatings , before and after use and abuse testing, on toys and children products intended for children ages 12	Family Dollar, Greenbrier	North America	Pass



Tests Conducted

	Evaluation	Citation / Method	No. of Samples	Criteria	Banner	Country	Result / Rating
				<p>and under, shall not contain cadmium or cadmium component in which the cadmium content is in excess of 0.004% (40ppm) of the weight of the total content.</p> <p>Report actual results or include data table within report Component testing is allowed. Compositing is not allowed.</p> <p>Client requirement</p>			
A	Total cadmium in substrate	CPSC-CH-E1002-08.3(Mod)/C PSC-CH-E1001-08.3(Mod)		<p>[Partial Testing] All accessible plastic and metal substrate materials, before and after use and abuse testing, of toys and children products intended for children ages 12 and under, shall not contain cadmium in excess of 0.004% (40ppm) of the weight of the total content.</p> <p>Report actual results or include data table within report. Component testing is allowed Compositing is not allowed.</p> <p>Client requirement</p>	Family Dollar, Greenbrier	North America	Pass
A R	Total lead in surface coating	Illinois Lead Poisoning Prevention Act / CPSC-CH-E1003-09.1		<p>[Partial Testing] The following surface coatings shall contain less than 0.004% (40 ppm) lead or lead compounds in which the lead content is the weight of the total content: a. All accessible surface coatings, in the as received state, on jewelry for children under 12 years of age, b. All accessible surface coatings, before and after use and abuse testing, on child care articles for children 6 years of age or younger, and on toys for children under 12 years of age.</p> <p>As a client requirement, the warning label is not allowed. In case of insufficient coating for testing found on the number of samples specified in the protocol, vendor needs to provide additional samples/component parts (including raw materials) for testing. The vendor is responsible for compliance of all other products outside of the above scope. Report actual results or include data table within report. Component testing is allowed. Compositing is not allowed.</p>	Family Dollar, Greenbrier	USA	Pass



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Tests Conducted

	Evaluation	Citation / Method	No. of Samples	Criteria	Banner	Country	Result / Rating
				Note: Child care article shall mean items intended to be used directly in the mouth by the child or components likely to be mouthed, chewed, sucked, or licked by the child. Client Requirement			
PHYSICAL MECHANICAL AND ELECTRICAL HAZARD							
R	Toys - Physical and mechanical	ASTM F963-17		[Partial Testing] Shall meet the physical and mechanical requirement as specified in the standard.	Family Dollar, Greenbrier	USA	Pass
R	Sharp points	16 CFR 1500.48		[Partial Testing] Items intended for children under 8 years of age shall not have accessible, potentially hazardous sharp points before or after use and abuse testing.	Family Dollar, Greenbrier	USA	Pass
R	Sharp edges	16 CFR 1500.49		[Partial Testing] Items intended for children under 8 years of age shall not have accessible, potentially hazardous sharp edges before or after use and abuse testing.	Family Dollar, Greenbrier	USA	Pass
A	Additional Mechanical Hazard Testing	In-house Method		[Partial testing] Additional 12 samples per construction are evaluated for small part, small ball, sharp point, sharp edge and rattle impaction hazards before and after abuse testing (16 CFR 1500.50-53). Data tables and sample images (before and after testing) have to be included in the report as according to the DT or FDS SOP for instructions. This additional testing is not applicable if the sample was failed for other mechanical testing in this protocol already. Note: Refer to GBFD price sheet for charge of tests and images. Additional 12 samples per SKU or construction (evenly distributed between colors) for additional mechanical hazard testing.	Family Dollar, Greenbrier	USA	Pass
FLAMMABILITY							
R	Toys - Solid flammability	ASTM F963-17 Sec. 4.2 & Annex A5		[Partial Testing] Materials other than textiles used in toy shall meet the requirement as specified in ASTM F963 Section 4.2 and Annex A5.	Family Dollar, Greenbrier	USA	Pass
	Solids -	16 CFR		[Partial testing]	Family	USA	Pass



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Tests Conducted

	Evaluation	Citation / Method	No. of Samples	Criteria	Banner	Country	Result / Rating
R	Flammability	1500.3(c)(6)(vi) / 16 CFR 1500.44		[Except Easter Grass] Shall not exceed the maximum allowable limit of no greater than 0.1 inches per second.	Dollar, Greenbrier		
Other test requirements according to test protocol						NA	-

Key:

- * Additional Charge For This Test
- ** Mandatory Requirement
- # By Request Only

Result Key:

- M Meets
- NM Does Not Meet
- NA Not Applicable
- NT Not Tested
- C Claimed
- R Recorded

Rating Key:

- PASS Pass
- FAIL Fail
- MARG Marginal
- CORRECTIVE Corrective
- CAR Action Required



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

Mechanical test data:

Sample #	Test	Test Component	Finding
Sample 1-12	Drop test	PLASTIC WEAPON ASTD PDQ	No sharp point/edge was found.
Sample 1-12	Torque and tension	PLASTIC WEAPON ASTD PDQ	No sharp point/edge was found.
Sample 1-12	Compression test	PLASTIC WEAPON ASTD PDQ	No sharp point/edge was found.
Sample 1-12	Flexure test	/	/

Image Appendix

T-0002 Abuse Test Conditions w Age.jpg

Testing Parameter	Age (Months)	Abuse Test Conditions
Drop Test	0 to ≤18	4.5 ft. (1.37 m) 10 drops
	>18 to ≤36	3 ft. (0.91 m) 4 drops
	>36 to ≤96	3 ft. (0.91 m) 4 drops
Torque Test	0 to ≤18	2 in – lb. (0.23 N - m)
	>18 to ≤36	3 in – lb. (0.34 N - m)
	>36 to ≤96	4 in – lb. (0.45 N - m)
Tension Test	0 to ≤18	10 lb. (44.5 N)
	>18 to ≤36	15 lb. (66.8 N)
	>36 to ≤96	15 lb. (66.8 N)
Compression Test	0 to ≤18	20 lb. (89 N)
	>18 to ≤36	25 lb. (111.3 N)
	>36 to ≤96	30 lb. (133.5 N)

251658240



Tests Conducted

T-0003 Exempt list for mechanical hazard testing	Adhesive Fur Sheets
	Bags (for over 3 years)
	Bath Puppet
	Bead Design Kit
	Blankets without Embellishments
	Chalks
	Construction Paper (or other purely paper product)
	Cosmetic Bag (for over 3 years) w/o embellishments
	Cotton Cord (used for making bracelet or necklace)
	Crayons
	Fabric Cape
	Fabric Hat
	Fabric Skirt w/o embellishments
	Feathers
	Flip Flops w/o embellishments
	Foam 3D Puzzle (for over 3 years)
	Foam Ball (for over 3 years) by itself
	Glue Stick/Washable Glue Stick (for over 3 years)
	Hair Bands/Rubber Bands (for over 3 years)
	Hair Twists (for over 3 years)
	Halloween Fabric Bins
	Infant Towel without embellishments
	Latex Balloons (for over 3 years)
	Markers
	Media (CD/DVD's)
	Modeling Clay (for over 3 years)
	Paper Book (without staple)
	Paper Hat w/o embellishments
	Paper Puzzles
	Paper Sticker
	Pencil Bag w/o embellishments
	Pencils
	Pens
	Placemat
	Plastic Sticker, Foam Sticker, Gel Sticker, etc (for over 3 years)
	Pom Poms (for over 3 years)
	Purely Foam Product (for over 3 years)
	Putty
	Rubber Ball (for over 3 years)
	Rubber Eraser (for over 3 years)
Sand	
Socks without plastic embellishments	
Stretch Animals (resilient material, for over 3 yrs)	
Stuffed Toys without NON-TEXTILE components or embellishments	
Temporary Face Tattoos	
Treat Bag/Plastic Bag (for over 3 years)	
Valentine's Cards with Lollipops	
Velvet Color Sheet (for over 3 years)	

Note: In this exempt list, only 12 samples needed to be tested, as opposed to the 24 samples for mechanical hazards.

Intertek Testing Services Inc. These items are not exempt from mechanical hazard testing, only exempt from increase to 24 samples.

Branch
浙江天祥质量技术服务有限公司宁波分公司

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www.intertek.com.cn



Tests Conducted

G-0104 Trademark of the manufacturer or importer.bmp	 
	251658240

Products Containing Mercury Regulations SOR2014-254 SCHEDULE.doc	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 70%;">Column 1</th> <th style="width: 15%;">Column 2</th> <th style="width: 10%;">Column 3</th> </tr> <tr> <th>Item</th> <th>Product Category</th> <th>Maximum Total Quantity of Mercury in the Product</th> <th>End date</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Dental amalgam</td> <td>No limit</td> <td>None</td> </tr> <tr> <td>2</td> <td>Compact fluorescent lamp for general lighting purposes</td> <td></td> <td></td> </tr> <tr> <td></td> <td>(a) ≤ 25 watts</td> <td>4 mg per lamp</td> <td>None</td> </tr> <tr> <td></td> <td>(b) > 25 watt</td> <td>5 mg per lamp</td> <td>None</td> </tr> <tr> <td>3</td> <td>Straight fluorescent lamp for general lighting purposes</td> <td></td> <td></td> </tr> <tr> <td></td> <td>(a) T5, program start with a normal lifetime (< 25,000 hours)</td> <td>3 mg per lamp</td> <td>None</td> </tr> <tr> <td></td> <td>(b) T8, 4-foot or less, instant an program start, medium bi-pin base, with a normal lifetime (< 25,000 hours)</td> <td>4 mg per lamp</td> <td>None</td> </tr> <tr> <td></td> <td>(c) T5, program start, with a long lifetime (≥ 25,000 hours)</td> <td>5 mg per lamp</td> <td>None</td> </tr> <tr> <td></td> <td>(d) T8, 4-foot or less, instant and program start, medium bi-pin base, with a long lifetime (≥ 25,000 hours)</td> <td>5 mg per lamp</td> <td>None</td> </tr> <tr> <td></td> <td>(e) T12, 4-foot or less, rapid start, medium bi-pin base</td> <td>10 mg per lamp</td> <td>None</td> </tr> <tr> <td></td> <td>(f) T12, 8-foot, instant start, single pin base</td> <td>15 mg per lamp</td> <td>None</td> </tr> <tr> <td>4</td> <td>Non-linear fluorescent lamp for general lighting purposes, including a circular or square fluorescent lamp</td> <td>15 mg per lamp</td> <td>None</td> </tr> <tr> <td>5</td> <td>Induction fluorescent lamp for general lighting purposes</td> <td>15 mg per lamp</td> <td>None</td> </tr> <tr> <td>6</td> <td>Mercury vapour lamp for general lighting purposes</td> <td></td> <td></td> </tr> <tr> <td></td> <td>(a) ≤ 250 watts</td> <td>40 mg per lamp</td> <td>31-Dec-17</td> </tr> <tr> <td></td> <td>(b) > 250 watts and ≤ 400 watts</td> <td>75 mg per lamp</td> <td>31-Dec-17</td> </tr> <tr> <td></td> <td>(c) > 400 watts and ≤ 1000 watts</td> <td>250 mg per lamp</td> <td>31-Dec-17</td> </tr> </tbody> </table>		Column 1	Column 2	Column 3	Item	Product Category	Maximum Total Quantity of Mercury in the Product	End date	1	Dental amalgam	No limit	None	2	Compact fluorescent lamp for general lighting purposes				(a) ≤ 25 watts	4 mg per lamp	None		(b) > 25 watt	5 mg per lamp	None	3	Straight fluorescent lamp for general lighting purposes				(a) T5, program start with a normal lifetime (< 25,000 hours)	3 mg per lamp	None		(b) T8, 4-foot or less, instant an program start, medium bi-pin base, with a normal lifetime (< 25,000 hours)	4 mg per lamp	None		(c) T5, program start, with a long lifetime (≥ 25,000 hours)	5 mg per lamp	None		(d) T8, 4-foot or less, instant and program start, medium bi-pin base, with a long lifetime (≥ 25,000 hours)	5 mg per lamp	None		(e) T12, 4-foot or less, rapid start, medium bi-pin base	10 mg per lamp	None		(f) T12, 8-foot, instant start, single pin base	15 mg per lamp	None	4	Non-linear fluorescent lamp for general lighting purposes, including a circular or square fluorescent lamp	15 mg per lamp	None	5	Induction fluorescent lamp for general lighting purposes	15 mg per lamp	None	6	Mercury vapour lamp for general lighting purposes				(a) ≤ 250 watts	40 mg per lamp	31-Dec-17		(b) > 250 watts and ≤ 400 watts	75 mg per lamp	31-Dec-17		(c) > 400 watts and ≤ 1000 watts	250 mg per lamp	31-Dec-17
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Tests Conducted

7	High pressure sodium vapour lamp for general lighting purposes	40 mg per arc tube	None
8	Metal halide lamp for general lighting purposes		
	(a) ≤ 300 watts	40 mg per lamp	None
	(b) > 300 watts and ≤ 500 watts	75 mg per lamp	None
	(c) > 500 watts and ≤ 700 watts	85 mg per lamp	None
	(d) > 700 watts and ≤ 1000 watts	250 mg per lamp	None
9	Automobile headlamp	10 mg per lamp	None
10	Cold cathode fluorescent lamp		
	(a) 1.5 m or less in length	10 mg per lamp	None
	(b) more than 1.5 m in length	13 mg per lamp	None
11	External electrode fluorescent lamp		
	(a) 1.5 m or less in length	5 mg per lamp	None
	(b) more than 1.5 m in length	13 mg per lamp	None
12	Cold cathode tubing for signage or cove lighting	100 mg per 2.44 m (8 feet)	None
13	Electrode for use in cold cathode tubing for signage or cove lighting	100 mg per electrode	None
14	Fluorescent and discharge lamps other than those referred to in items 2 to 13	No limit	None
15	Very high accuracy capacitance and loss measurement bridges and high frequency RF switches and relays in monitoring and control instruments	20 mg per bridge, switch or relay	None
16	Thermometer for use in a laboratory for scientific research applications	No limit	None
17	Thermometer or other scientific instrument required to be used by an ASTM International standard	No limit	None
18	Scientific instrument used for the calibration of medical devices or for the calibration of scientific research instruments	No limit	None
19	Laboratory analytical standard or reference material	No limit	None
20	Scientific instrument used as reference for clinical validation studies	No limit	None
21	Scientific instrument used for measuring the quantity of mercury in the environment	No limit	None
22	Radiation light detector	No limit	None
23	Infrared light detector	No limit	None
24	Low mercury chloride reference electrode	No limit	None
25	Low mercury sulphate reference electrode	No limit	None
26	Low mercury oxide reference electrode	No limit	None
27	Professional, commercial and industrial photographic film	No limit	None



Tests Conducted

28	Professional, commercial and industrial photographic paper	No limit	None
29	Composite resins and adhesive resins used in the aerospace industry	2% by weight	None
30	Catalyst used in the manufacturing of polyurethane	No limit	None
31	Button cell battery	25 mg per battery	31-Dec-15
32	Medical device that is intended to remain in the body for at least 30 consecutive days	No limit	31-Dec-19
33	In-vitro diagnostic assays and reagents	No limit	31-Dec-19
34	Replacement part (see note) if the product contained the part (a) before the coming into force of these Regulations; or (b) at the time of its manufacture or import, if that manufacture or import was permitted under these Regulations	No limit	None

Note: Replacement part means a part that is required for a product to continue to function and for which there is no mercury-free alternative or product listed in this schedule that could serve as a direct substitute.

<p>Products Containing Mercury Regulations SOR2014-254 EXEMPTIONS.doc</p>	<p>These Regulations do not apply to</p> <ul style="list-style-type: none"> (a) waste; (b) a product that is at the end of its useful life and that is intended to be recycled; (c) a food, drug, or cosmetic as defined in section 2 of the <u>Food and Drugs Act</u>; (d) a veterinary biologic as defined in subsection 2(1) of the <u>Health of Animals Act</u>; (e) a surface coating material as defined in subsection 1(1) of the <u>Surface Coating Materials Regulations</u> or a surface coating material applied to a toy regulated under the <u>Toys Regulations</u>; (f) a pest control product as defined in subsection 2(1) of the <u>Pest Control Products Act</u>; (g) a feed as defined in section 2 of the <u>Feeds Act</u>; (h) a fertilizer as defined in section 2 of the <u>Fertilizers Act</u>; (i) an explosive regulated under the <u>Explosives Act</u>; (j) ammunition and explosives under the direction or control of the Minister of National Defence; (k) a product, other than a battery, that has a mercury concentration of 0.1% or less by weight in homogeneous materials; (l) a battery, other than a button cell battery, that has a mercury concentration of 0.0005% or less by weight in homogeneous materials; (m) beginning on January 1, 2016, a button cell battery that has a mercury concentration of 0.0005% or less by weight in homogeneous materials; (n) from January 1, 2016 until December 31, 2019, a button cell battery that is incorporated into a medical device that is intended to remain in the body for at least 30 consecutive days; (o) ores, concentrates and by-products of metallurgic operations; and (p) an on-road vehicle as defined in subsection 1(1) of the <u>On-Road Vehicle and Engine Emission Regulations</u> that is of the 2016 model year or of a previous model year as determined under section 5 of those Regulations.
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Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

GREENBRIER / FAMILY DOLLAR TEST PROTOCOL FOR CPSIA REQUIREMENTS SUPPLEMENT (V4)

Evaluation	Citation / Method	No. of Samples	Criteria	Banner	Country	Result / Rating
LABELING						



Tests Conducted

Evaluation	Citation / Method	No. of Samples	Criteria	Banner	Country	Result / Rating
A R Tracking label for children's products	CPSIA 103	--	<p>A permanent and distinguishing mark or code on the product and its packaging, to the extent practicable, allows the manufacturer and purchaser to ascertain the name of the manufacturer or private labeler, location and date of production of the product.</p> <p>Verified the Presence and verified the format accuracy. Refer to Family Dollar and Greenbrier Tracking Label documents in SharePoint.</p> <p>Family Dollar Requirement: For label with format following Family Dollar or Midwood Brands format: - Refer to document "Family Dollar Tracking Label Requirements" for label format For others: If internal coding is used, de-code system shall also be submitted for verification. Manufacturer or Private Labeler name can not be coded. Note: - If vendor tracking label format is used, test line must be rated as Conditional Pass and note "vendor tracking label format is used" in the executive summary. - Type tracking label details into Rating field along with the pass/fail/conditional pass rating. Also include picture of tracking label in exhibit section of report. - Tracking label information is not allowed to be included for OTC drugs, cosmetics, dietary supplements and medical devices. Refer to "Family Dollar Tracking Label Requirements" for exception.</p> <p>Greenbrier Requirement: If internal coding is used, de-code system shall also be submitted for verification (refer to Family Dollar and Greenbrier Tracking Label documents in SharePoint).</p> <p>Note: 1. Internal coding for manufacturer or private labeler on the tracking label is not accepted.</p>	Family Dollar, Greenbrier	USA	<p>Pass</p> <p>ON PACKAGING: 332538-06695-282-010123 GREENBRIER INTERNATIONAL, INC. 500 VOLVO PARKWAY, CHESAPEAKE, VA 23320</p> <p>ON PRODUCT: 332538-06695-282-010123 GREENBRIER INTERNATIONAL, INC.</p>



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

Evaluation	Citation / Method	No. of Samples	Criteria	Banner	Country	Result / Rating
			<p>2. Below abbreviated tracking marking is allowed to be used : Greenbrier Intl / SKU# / Vendor# / Factory# / Date A notification email need to be sent to Greenbrier if abbreviated tracking label is used.</p> <ul style="list-style-type: none"> - Greenbrier has mandated that all children's dinnerware (plates, cups, etc.) shall have a tracking label, regardless if the submission falls within FDA jurisdiction only. - Information for tracking label on product must be identical with the information for tracking label on packaging. <p>3. Tracking label information is not allowed to be included for OTC drugs, cosmetics, dietary supplements and medical devices. Refer to "Greenbrier Tracking Label Requirements" for exception.</p> <p>Stick on Labels are not permitted. Client requirement</p>			

ANALYTICAL

A R	Total lead in surface coating	16 CFR 1303/Consumer Product Safety Improvement Act of 2008 / CPSC-CH-E1003-09.1	<p>All accessible surface coatings, before and after use and abuse testing, on items intended for children ages 12 and under shall not contain lead or lead components in which the lead content is in excess of 0.009% (90ppm) of the weight of the total content.</p> <p>In case of insufficient coating for testing found on number of samples specified in the protocol, vendor needs to provide additional component parts (including raw materials) for testing.</p> <p>Report actual results or include data table within report.</p> <p>Issue a third party test report.</p> <p>Component testing is not allowed.</p> <p>Composite testing is not allowed.</p> <p>Client requirement</p>	Greenbrier	USA	Pass
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Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

Evaluation	Citation / Method	No. of Samples	Criteria	Banner	Country	Result / Rating
A R Total lead in substrate	Consumer Product Safety Improvement Act of 2008 / 16 CFR 1252 / CPSC-CH-E1001-08.3 / CPSC-CH-E1002-08.3		<p>All accessible substrates, before and after use and abuse testing, on items intended for children ages 12 and under shall not contain lead in excess of 0.009% (90 ppm) of the weight of the total content.</p> <p>In case of insufficient material for testing found on number of samples specified in the protocol, vendor needs to provide components/parts for testing. Report actual results or include data table within report.</p> <p>Issue a third party test report. Component testing is allowed. Compositing up to 3 like materials is allowed except metal.</p> <p>Exempt materials as defined by the Consumer Products Safety Commission in 16 CFR 1500.88, 16 CFR 1500.91 (d) and (e) and 16 CFR 1252 will not be tested.</p> <p>Untreated and unfinished engineered wood products (EWPs), specifically, particleboard, hardwood plywood, and medium-density fiberboard, made from virgin wood or pre-consumer wood waste as defined in 16 CFR 1252 will not be tested. Vendor shall claim this determination in TRF, otherwise testing will be conducted in all woods.</p> <p>Client requirement - the limit is lowered to 90ppm</p>	Family Dollar, Greenbrier	USA	Pass



Tests Conducted

Evaluation	Citation / Method	No. of Samples	Criteria	Banner	Country	Result / Rating
A R Phthalates content	16 CFR 1307 / 16 CFR 1252 / CPSC-CH- C1001-09.4		<p>Children's toys and childcare articles, before and after use and abuse testing, shall not contain concentrations of more than 0.1% BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP, DCHP, DNOP or DIDP individually.</p> <p>Actual testing would be conducted on all accessible plastics materials (including natural and synthetic rubber)(excluding materials listed below), plasticizer print, scrapable surface coatings, decals, polymeric coated materials (unscrapable), adhesives and sealants (exclude adhesive for stickers), polyvinyl acetate (PVAc) adhesive formulations used in hardwood plywood, toy nail polish, reusable packaging, electrical plug and cables.</p> <p>Polypropylene (PP), polyethylene (PE), acrylonitrile butadiene styrene (ABS), general purpose polystyrene (GPPS), medium-impact polystyrene (MIPS), high-impact polystyrene (HIPS), and super high-impact polystyrene (SHIPS), and their additives as listed in 16 CFR 1308 are exempt from testing, however, they are not exempt from compliance or certification.</p> <p>If material identification is not provided, phthalate testing will be conducted on all plastic materials. If adhesive formulation of hardwood plywood is not provided, phthalate testing will be conducted on all hardwood plywood. Vendor shall be responsible for the compliance of all other accessible materials, including additives in the exempt plastic materials.</p> <p>In case of insufficient material for testing found on number of samples specified in the protocol. Greenbrier must give approval for additional samples.</p> <p>Report actual results or include data table within report.</p> <p>Component testing is allowed.</p> <p>Compositing is not allowed.</p> <p>Client requirement - expand scope to cover DNOP and DIDP</p>	Family Dollar, Greenbrier	USA	Pass
Other test requirements according to test protocol					NA	-



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

IMPORTANT NOTE: The information presented under the "Criteria" of this protocol is for information only and does not replace the content of the standard. Details of the requirements should be referred to the original standards.

Key:

* Additional Charge For This Test
** Mandatory Requirement
By Request Only

Result Key:

M Meets
NM Does Not Meet
NA Not Applicable
NT Not Tested
C Claimed
R Recorded

Rating Key:

PASS Pass
FAIL Fail
MARG Marginal
CORRECTIVE Corrective
CAR Action Required



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

1 Total Lead (Pb) Content In Non-Surface Coating Materials (Substrate)

With reference to standard operating procedures for determining total Lead (Pb) in children's products, test method(s) CPSC-CH-E1002-08.1 and/or CPSC-CH-E1001-08.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Components</u>	<u>Result (ppm)</u>	<u>Requirement (ppm)</u>
(3)to(5)	<10	90

Remark: ppm = Parts per million = mg/kg

Tested Components: See component list in the last section of this report.

Date Sample Received: 03 Apr, 2023

Testing Period: 03 Apr, 2023 To 07 Apr, 2023

To be continued



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

2 Total Lead (Pb) Content in Surface Coating

As per standard operating procedure for determining Lead (Pb) in paint and other similar surface coatings (April 26, 2009), test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)	<20	90
(2)	<20	90

The limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating.

Remark: ppm = Parts per million = mg/kg

Tested Components: See component list in the last section of this report.

Date Sample Received: 03 Apr, 2023

Testing Period: 03 Apr, 2023 To 07 Apr, 2023

To be continued



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

3 Total Lead (Pb) Content

As per Illinois Lead Poisoning Prevention Act 410 ILCS 45 section 6 (Public Act 095-1019), acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in %</u>
(1)	<0.001
(2)	0.0011

Requirement:

The total Lead content shall not exceed 0.009% for surface coating and 0.01% for non-surface coating material (substrate) in accordance with the Consumer Product Safety Improvement Act of 2008 (CPSIA).

Remark: % = Percentage based on dry weight of testing sample

Examination of warning statement on children products:

Requirement: According to Illinois Lead poisoning prevention act 410 ILCS 45 section 6 (Public Act 095-1019), appropriate warning statement is required when the Lead content of the submitted sample IS more than 0.004% but less than 0.009%/0.01% by total weight or a lower standard for Lead content as may be established by federal or state law or regulation.

Tested Components: See component list in the last section of this report.

Date Sample Received: 03 Apr, 2023

Testing Period: 03 Apr, 2023 To 07 Apr, 2023

To be continued



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

4 Total Cadmium (Cd) Content on Surface Coating

Acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Requirement (ppm)</u>
(1)	ND	40
(2)	ND	40

Remark: ppm = Parts per million = mg/kg
ND = Not Detected
Detection limit = 10 ppm

Tested Components: See component list in the last section of this report.

Date Sample Received: 03 Apr, 2023
Testing Period: 03 Apr, 2023 To 07 Apr, 2023

To be continued



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

5 Total Cadmium (Cd) Content on Substrate Material

Acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Requirement (ppm)</u>
(3)to(5)	ND	40

Remark: ppm = Parts per million = mg/kg
ND = Not Detected
Detection limit = 2 ppm

Tested Components: See component list in the last section of this report.

Date Sample Received: 03 Apr, 2023

Testing Period: 03 Apr, 2023 To 07 Apr, 2023

To be continued



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

6 Phthalate content

With reference to CPSC-CH-C1001-09.3, by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Tested compound	Result (%w/w)	Requirement (%w/w)
	(1)to(4)	(Max.)
Di-butyl phthalate (DBP)	ND	0.1
Di(2-ethyl hexyl) phthalate(DEHP)	ND	0.1
Benzyl butyl phthalate (BBP)	ND	0.1
Di-iso-nonyl phthalate (DINP)	ND	0.1
Di-iso-decyl phthalate (DIDP)	ND	0.1
Di-n-octyl phthalate (DnOP)	ND	0.1
Diisobutyl phthalate (DIBP)	ND	0.1
Di-n-pentyl Phthalate (DPENP)	ND	0.1
Di-n-hexyl Phthalate (DHEXP)	ND	0.1
Dicyclohexyl Phthalate (DCHP)	ND	0.1

Remark: Detection Limit = 0.01%(w/w)
 ND = Not Detected

Tested Components: See component list in the last section of this report.

Date Sample Received: 03 Apr, 2023

Testing Period: 03 Apr, 2023 To 06 Apr, 2023

 To be continued



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

7 Heavy metal elements analysis

As per section 4.3.5.1(2) and 8.3.1 / 4.3.5.2(2)(b) and 8.3.1 of the ASTM standard consumer safety specification on toy safety F963-17, test method(s) CPSC-CH-E1003-09.1 and/or CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 was/were used and heavy metal elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

	Result (ppm)				ASTM F963-17 Soluble limit(ppm)
	(1)	(2)	(3)	(4)	
Tot. Barium (Ba)	17	<10	<10	<10	1000
Tot. Lead(Pb)	<10	11	<10	<10	90
Tot. Cadmium (Cd)	<10	<10	<10	<10	75
Tot. Antimony (Sb)	<10	<10	<10	<10	60
Tot. Selenium (Se)	<10	<10	<10	<10	500
Tot. Chromium (Cr)	11	<10	<10	<10	60
Tot. Mercury(Hg)	<10	<10	<10	<10	60
Tot. Arsenic (As)	<10	<10	<10	<10	25

Remark: ppm = Parts per million = mg/kg
Tot. = Total

Tested components: See component list in the last section of this report

Date Sample Received: 03 Apr, 2023

Testing Period: 03 Apr, 2023 To 07 Apr, 2023

To be continued



Greenbrier International, Inc. Test Report

Number: SHAH01557528

Tests Conducted

Components:

- (1) Silver coating on plastic.
- (2) Golden coating on plastic.
- (3) Black plastic with silver cladding (blade).
- (4) Black plastic(body).
- (5) Slivery metal(screw).

End of report

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