



TEST REPORT

LAB LOCATION: SHANGHAI REPORT NUMBER: 64319-100319
DATE IN: 18-Oct-2019 DATE OUT: 24-Oct-2019

Applicant:	BENDON, INC		
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Copy To:	/		

Sample Information

 64319-100319	Sample Description:	PLASTIC CARRY ALONG - Frozen 2 (CA188)
	Item/ Style Number:	AS45828
	Purchase Order Number:	23357, 23719, 23791
	No. of Sample Submitted:	6 pcs
	Country of Origin:	CHINA
	Country of Destination:	CANADA
	Vendor/ Agent:	/
	Buyer:	/
	Manufacturer:	/
	 64319-100319	

For and on behalf of
Modern Testing Services Co., Ltd.

Gao Jian, David
Assistant Manager, Toy Division

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TEST RESULT SUMMARY	
Test Requested	Results
Physical and Mechanical Hazards, Toys Regulations SOR/2011-17(SOR/2018-138), Canada Consumer Product Safety Act	PASS
Celluloid or Cellulose Nitrate, Toys Regulations SOR/2011-17(SOR/2018-138), Item 21	PASS
Heavy Metals Content – Canada Consumer Product Safety Act – Toys Regulations, SOR/2011-17 (SOR/2018-138), Item 23	PASS
Total Lead Content – Canada Consumer Product Safety Act – Consumer Products Containing Lead Regulations (SOR/2018-083)	PASS
Phthalates Content – Canada Consumer Product Safety Act – Phthalates Regulations, SOR/2016-188	PASS

COMPONENT BREAKDOWN LIST:

Test Item	Component Description
A	PLASTIC CARRY ALONG - Frozen 2 (CA188)
A1	Multicolor coating(on barrel)
A2	Multicolor coating(on cover)
A3	Multicolor coating(on sticker)
A4	Transparent plastic film with multicolor and adhesive(sticker on box)
A5	White paper with adhesive(sticker without coating)
A6	Transparent purple plastic(box)
A7	Transparent plastic(blister)
A8	Blue plastic(cap/end plug)
A9	Purple plastic(cap/end plug)
A10	Yellow plastic(cap/end plug)
A11	Sky blue plastic(cap/end plug)
A12	Brown plastic(cap/end plug)
A13	White plastic(barrel without coating)
A14	Beige foam(nib without ink)
A15	Blue ink
A16	Purple ink
A17	Yellow ink
A18	Skye blue ink
A19	Brown ink

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TEST SUMMARY:

Specimen: Test Item: A
Client requested age grade: Over 3 years
Labeled age grade: Ages 3+
Appropriate age grade: Not Requested
Age grade for testing: Ages Over 3 years

Physical and Mechanical Hazards, Toys Regulations SOR/2011-17(SOR/2018-138), Canada Consumer Product Safety Act

RESULTS:

<u>ITEM</u>	<u>REQUIREMENTS</u>	<u>RESULT</u>
General		
3	Official languages	NA
Packaging		
4	Flexible film bags	NA
Electrical Hazards		
5	Electrically operated toys	NA
6	Electrically heated toys	NA
Mechanical Hazards		
7	Small parts	NA
8	Metal edges	NA
9	Wire frames	NA
10	Plastic edges	P
11	Wood	NA
12	Glass	NA
13	Fasteners	NA
14	Safety stops or locking devices	NA
15	Spring-wound driving mechanisms	NA
16	Projectile components	NA
17	Enclosures	NA
18	Stability	NA
Auditory Hazards		
19	Decibel limit	NA
Thermal and Flammability Hazards		
20	Heated surfaces, parts or substances	NA
21	Celluloid or cellulose nitrate	P
Specific Products – Dolls, Plush Toys and Soft Toys		

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<u>ITEM</u>	<u>REQUIREMENTS</u>	<u>RESULT</u>
28	Fastenings	NA
29	Stuffing	NA
30	Small parts	NA
31	Eyes and noses	NA
Specific Products – Plant Seeds		
35	Plant seeds – noise	NA
36	Plant seeds – stuffing material	NA
Specific Products –Pull and push toys		
37	Shaft-like handles	NA
Specific Products – Toy steam engines		
38	Boilers – safety valves	NA
Specific Products – Finger paints		
39	Water based paints	NA
Specific Products – Rattles		
40	Construction	NA
Specific Products – Elastic		
41	Length or extensibility	NA
Specific Products – Yo-yo Type Balls		
42 (1)	Stretchable cords	NA
42 (2)	Similar product	NA
Specific Products – Magnetic Toys		
43	Magnetic force	NA
44	Exceptions	NA

Note: P = Pass F = Fail NA = Not applicable NR = Not Requested

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TEST SUMMARY:

Heavy Metals Content – Canada Consumer Product Safety Act – Toys Regulations, SOR/2011-17 (SOR/2018-138), Item 23

Test Item	Result							Conclusion
	Total Content (mg/kg)		Soluble Content (%)					
	Pb	Hg	Ba	Cd	As	Sb	Se	
A1	<10	<10	<0.001	<0.001	<0.001	<0.001	<0.001	PASS
A2	<10	<10	<0.001	<0.001	<0.001	<0.001	<0.001	PASS
A3	<10	<10	<0.001	<0.001	<0.001	<0.001	<0.001	PASS
Limit	90	No introduced	0.1	0.1	0.1	0.1	0.1	-

Pb = Lead, Hg = Mercury, Ba = Barium, Cd = Cadmium, As = Arsenic, Sb = Antimony, Se = Selenium

Method: Sample was digested with nitric acid for total lead and mercury content.
Sample was extracted with 5% hydrochloric acid for 10 minutes at 20°C according to Canada Consumer Product Safety Act – Toys Regulations, SOR/2011-17, Item 23(b) for soluble heavy metals content.
The heavy metals content were analyzed by Atomic Absorption Spectrophotometer / Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer.

Note: mg/kg = milligram per kilogram
% = percentage
“<” = less than



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TEST SUMMARY:

Total Lead Content – Canada Consumer Product Safety Act – Consumer Products Containing Lead Regulations (SOR/2018-083)

Test Item	Total Lead (Pb) (mg/kg)		Conclusion
	Result	Limit	
A1	<10	90	PASS
A2	<10	90	PASS
A3	<10	90	PASS
A4	<10	90	PASS
A5	<10	90	PASS
A6+A7	<10	90	PASS
A8+A9+A10	<10	90	PASS
A11+A12+A13	<10	90	PASS
A14	<10	90	PASS
A15+A16+A17	<10	90	PASS
A18+A19	<10	90	PASS

Method: Sample was digested with nitric acid and analyzed by Atomic Absorption Spectrophotometer / Inductively Coupled Plasma Mass Spectrometer.

Note: mg/kg = milligram per kilogram
“<” = less than



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TEST SUMMARY:

Phthalates Content – Canada Consumer Product Safety Act – Phthalates Regulations, SOR/2016-188

Test Item	Result (%) (Remark)						Conclusion
	Part A			Part B			
	DBP	BBP	DEHP	DNOP	DIDP	DINP	
A1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	PASS
A2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	PASS
A3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	PASS
A4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	PASS
A5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	PASS
A6+A7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	PASS
A8+A9+A10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	PASS
A11+A12+A13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	PASS
A14	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	PASS
Limit	0.1	0.1	0.1	0.1	0.1	0.1	-

List of Phthalates:

Chemical Name	CAS No.	Chemical Name	CAS No.
Dibutyl phthalate (DBP)	84-74-2	Di-n-octyl phthalate (DNOP)	117-84-0
Butyl benzyl phthalate (BBP)	85-68-7	Di-iso-decyl phthalate (DIDP)	26761-40-0
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	Di-iso-nonyl phthalate (DINP)	28553-12-0

Method: Sample was extracted with organic solvent and analyzed by Gas Chromatograph Mass Spectrometer / Liquid Chromatograph Mass Spectrometer.

Remark: The vinyl in a toy or child care article shall meet the requirement of Part A. The vinyl in any part of a toy or child care article that can be placed in the mouth of a child under four years of age shall meet the requirements of both Part A and B.

Note: % = percentage
 “<” = less than
 “>” = more than

*****End of Test Report*****



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NOTE:

If there is question or concern regarding the above results, please contact us via email aqian@mts-global.com

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