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# **TEST REPORT**

Test Report #	23H-006836(A1)	Date of Report Issue:	October 12, 2023
Date of Sample Received:	August 28, 2023	Pages:	Page 1 of 15
Company: Recipient:	Manual Woodworkers Larry Bradley	& Weavers	MWW Bathmats
SAMPLE INFORMATION:	larryb@manualww.cor	1	23H-006836
Description:	Bathmat		
Assortment:	-	Purchase Order Num	ber: -
SKU/style No.:	-	Toy Co./Agency:	-
Factory/Supplier/Vendor:	-	Country of Origin:	-
Country of Distribution:	Europe, Australia, Braz Canada, Japan, New Zealand, United States	il, Labeled Age Grade:	-
Quantity Submitted:	10 pcs	Requested Age Grade	e: Adult (13+)
Testing Period:	09/11/2023 - 09/26/20 10/10/2023 - 10/12/20	D23 Tested Age Grade: D23	over 13 years of age

#### **OVERALL RESULT:**



Refer to page 2 for test result summary and appropriate notes.

QIMA Testing (HK) Limited



Loska Yeung Lok Ka Assistant Manager, Chemical Laboratory QIMA Testing (HK) Limited

Pearl Tse Pui Pui Laboratory Operations Manager

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# **TEST RESULTS SUMMARY:**

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	California Proposition 65, Total Cadmium in Substrate Materials
PASS	Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 46a, Nonylphenol ethoxylates <sup>#</sup>
PASS	Regulation (EC) No. 2019/1021 Persistent Organic Pollutants, ANNEX I – Pentachlorophenol and its Salts and Esters Content <sup>#</sup>
PASS	Canadian Textile Flammability Regulations SOR/2016-194, Non-bedding Textile
INFORMATION ONLY	JIS L 1091 C-Testing Methods for Flammability of Textiles-Flammability <sup>#</sup>
PASS	16 CFR 1631-Small Carpet and Rugs-Flammability <sup>#</sup>

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#### **DETAILED RESULTS:**

# California Proposition 65, Total Lead in Substrate Materials

Test Method:CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)Analytical Method:Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2				Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Total Lead (Pb)	ND	ND				100
Conclusion	PASS	PASS				

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.

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#### **DETAILED RESULTS:**

# California Proposition 65, Total Cadmium in Substrate Materials

Test Method:	ASTM F963-17 Clause 8.3.1
Analytical Method:	Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2				Total
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Limit (ppm)
Total Cadmium (Cd)	ND	ND				75
Conclusion	PASS	PASS				

Note:

ppm (Parts per million) = mg/kg (Milligrams per kilogram)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

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#### **DETAILED RESULTS:**

# Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content

Test Method:	ASTM F963-17 Clause 8.3.1
Analytical Method:	Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1					
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Limit (mg/kg)
Total Lead (Pb)	ND					90
Conclusion	PASS					

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 20 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

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# **DETAILED RESULTS:**

# Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials

Test Method:CPSC-CH-E1001-08.3 (Metal) and/or CPSC-CH-E1002-08.3 (Non-Metal)Analytical Method:Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1					Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	(mg/kg)
Total Lead (Pb)	ND					500
Conclusion	PASS					

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 20 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

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#### **DETAILED RESULTS:**

# Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials

Test Method:	ASTM F963-17 Clause 8.3.1
Analytical Method:	Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	2				
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Limit (mg/kg)
Total Cadmium (Cd)	ND	ND				100
Conclusion	PASS	PASS				

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 20 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

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#### **DETAILED RESULTS:**

#### Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles

Test Method:	EN ISO 14362-1:2017, EN ISO 14362-3:2017
Analytical Method:	Gas Chromatography with Mass Spectrometry

Specimen No.		3	4			
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Limit (mg/kg)
4-aminobiphenyl	92-67-1	ND	ND			30
Benzidine	92-87-5	ND	ND			30
4-chloro-o-toluidine	95-69-2	ND	ND			30
2-naphtylamine	91-59-8	ND	ND			30
o-Aminoazotoluene	97-56-3	ND	ND			30
5-nitro-o-toluidine	99-55-8	ND	ND			30
4-chloroaniline	106-47-8	ND	ND			30
2,4-diaminoanisole	615-05-4	ND	ND			30
4,4'-methylenedianiline	101-77-9	ND	ND			30
3,3'-dichlorobenzidine	91-94-1	ND	ND			30
o-dianisidine	119-90-4	ND	ND			30
3,3'-dimethylbenzidine	119-93-7	ND	ND			30
4,4'-methylenedi-o- toluidine	838-88-0	ND	ND			30
p-cresidine	120-71-8	ND	ND			30
4,4'-methylene-bis-(2- chloro-aniline)	101-14-4	ND	ND			30
4,4'-oxydianiline	101-80-4	ND	ND			30
4,4'-thiodianiline	139-65-1	ND	ND			30
o-toluidine	95-53-4	ND	ND			30
2,4-diaminotoluene	95-80-7	ND	ND			30
2,4,5-trimethylaniline	137-17-7	ND	ND			30
2-methoxyaniline	90-04-0	ND	ND			30
4-aminoazobenzene	60-09-3	ND	ND			30
Conclusion		PASS	PASS			

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Note: mg/kg = Milligrams per kilogram LT = Less than ND = Not detected (Reporting Limit = 5 mg/kg) Composite results are based on total mass of the composite test portion.

# Remark:

In the case of levels per amine component less than or equal to 30 mg/kg, according to the analysis as carried out, azo colorants which can release one or more of certain listed amines by cleavage of their azo group/s were not detected in the commodity submitted.

In the case of levels per amine component more than 30 mg/kg, the analytical result suggests that the commodity submitted has been manufactured or treated using azo colorant/s which can release one or more of certain listed amines by cleavage of their azo group/s.

The analytical result of detected amine is confirmed by LC-DAD / LC-MS.

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#### **DETAILED RESULTS:**

# Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 46a, Nonylphenol ethoxylates

Test Method:In-House Method#Analytical Method:Liquid Chromatography with Mass Spectrometry Mass Spectrometry

Specimen No.		3	5			
Tast Itom	CAS No.	Result	Result	Result	Result	Limit
rest item		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Nonylphenol ethoxylates (NPEO)	9016-45-9	ND	ND			100
	Conclusion	PASS	PASS			

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 20 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

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# **DETAILED RESULTS:**

# Regulation (EC) No. 2019/1021 Persistent Organic Pollutants, ANNEX I – Pentachlorophenol and its Salts and Esters Content

Test Method:	EN ISO 17070:2015 <sup>#</sup>
Analytical Method:	Gas Chromatography with Mass Spectrometry

#### For Material Other Than Leather

Specimen No.	3	5			Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	(mg/kg)
Pentachlorophenol (PCP) and its Salts and Esters	ND	ND			5
Conclusion	PASS	PASS			

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % w/w (Percent by weight)

LT = Less than

ND = Not detected (Reporting Limit = 1 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

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#### **DETAILED RESULTS:**

#### Canadian Textile Flammability Regulations SOR/2016-194, Non-bedding Textile

(Method: Canadian General Standards Board CAN/CGSB 4.2 NO. 27.5, Textile Test Methods)

Test	Observation	Conclusion
3 (1) Flammability test of product without a raised	No Ignition	PASS
fibres surface		

#### JIS L 1091 C-Testing Methods for Flammability of Textiles-Flammability\*

Test	Observation	Conclusion
8.3 C Method (Burn Rate Test)	No Ignition	INFORMATION ONLY

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# **DETAILED RESULTS:**

# 16 CFR 1631-Small Carpet and Rugs-Flammability<sup>#</sup>

Test Method: 16 CFR PART 1631

Specimen No.		Multicolor bathmat -Main body	
Items		Shortest distance between the edge of the hole and the damaged area (mm)	
	(1)	90	
	(2)	89	
	(3)	89	
As received	(4)	88	
(5) (6) (7) (8)	(5)	90	
	(6)	88	
	(7)	89	
	(8)	88	
Number of specimens in which the shortest distance ≤ 25mm		0	
Conclusion		The submitted sample <b>meets</b> the requirement prescribed in 16 CFR 1631	

#### **Requirements:**

A specimen passes the test if the charred portion does not extend to within 2.54 cm. (1.0 in.) of the edge of the hole in the flattening frame at any point.

At least seven of the eight specimens shall meet the test criterion in order to conform with this Standard.

# Remark:

1. If the carpet or rug has had a fire-retardant treatment, the selected sample shall be washed, prior to cutting of test specimens,10 times in such manner as the manufacturer or other interested party.

2. Place the specimens in the drying oven in a manner that will permit free circulation of the air at 105  $^{\circ}$ C around them for 2 hours, and place them horizontally in the desiccator with traffic surface up and free from contact with each other until cooled to room temperature, but in no instance less than 1 hour.

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# **SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location	
1	Beige soft plastic	Backing of mat	
2	White foam	Inner mat	
3	Multicolor printed white textile	Main shell of mat	
4	Multicolor printed dull white textile	Trimming of mat	
5	Multicolor printed dull white textile with white thread	Trimming/ sewing of mat	

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#### **SAMPLE PHOTO:**



-End Report-

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