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Applicant : Fizz Creations Ltd
Unit 6, Commerce Way, Lancing, West Sussex, BN15 8TA
Contact Person : Jenny Fry, Catherine Green
Sample Description : Fish Bowl Cocktail Set, Tequila Sunrise, Mini Cocktail Set
Style Number : 1426, 1448, 1407
Purchase Order Number : --
Buyer : --
Country of Origin : China
Country of Destination : UK
Date of Submission : DEC 13, 2017
Test Performance Dates : DEC 13, 2017 – JAN 09, 2018

Photo of Submitted Sample



For and on behalf of
Modern Testing Services (Global) Ltd.



SIU, Chung Hong
Toys Testing Manager
Toys, Arts and Crafts Division

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TEST RESULT SUMMARY

Test Requested	Results
Overall Migration Test – European Commission Regulation (EC) No. 10/2011	PASS
Specific Migration of Heavy Metals – European Commission Regulation (EC) No. 10/2011	PASS
Specific Migration of Primary Aromatic Amine Releases – European Commission Regulation (EC) No. 10/2011	PASS
Formaldehyde Content in Wood – Client's Limit	PASS
Pentachlorinated Phenol Content – German Chemicals Act (Prohibition of Chemicals Ordinance - Chem Verbots V)	PASS
Materials in Contact with Foodstuffs [For Material: Paper] – § 30 and 31 LFGB & Regulation (EC) No. 1935/ 2004	PASS
EP 2.6.12 – Microbiological Examination of Non-Sterile Products: Microbial Enumeration Tests	PASS
EP 2.6.13 – Microbiological Examination of Non-Sterile Products : Test For Specified Micro Organisms.	PASS

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COMPONENT BREAKDOWN LIST:

Test Item	Component Description
A1	Orange plastic (fish bowl cocktail set & tequila sunrise- orange straw)
A2	Purple plastic (fish bowl cocktail set - purple straw)
A3	Pink plastic (fish bowl cocktail set- violet straw)
A4	Blue plastic (fish bowl cocktail set- blue straw)
A5	Transparent plastic (fish bowl cocktail set- bowl)
A6	Pink plastic (mini cocktail set-pink straw)
A7	Flesh wood (fish bowl cocktail set & tequila sunrise- wooden cocktail stick for umbrellas and streamers)
A8	White paper with Red/Black print (body of flamingo)
A9	Pink paper (tissue paper of flamingo)
A10	White paper with Red/Green print (straw holder)
A11	Yellow plastic (Banana ice cube)

TEST RESULT:

Overall Migration Test – European Commission Regulation (EC) No. 10/2011

Test Condition: 3% acetic acid, 10% ethanol and 50% ethanol: 40 °C, 2 hrs

Simulant Used	Unit	Result						Maximum Permissible Limit
		A1	A2	A3	A4	A5	A6	
3% Acetic acid	mg/dm ²	<5	<5	<5	<5	<5	<5	10
10% Ethanol	mg/dm ²	<5	<5	<5	<5	<5	<5	10
50% Ethanol	mg/dm ²	<5	<5	<5	<5	<5	<5	10
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS	-

Test Condition: 3% acetic acid and 10% ethanol: 5 °C, 10 days

Simulant Used	Unit	Result	Maximum Permissible Limit
		A11	
3% Acetic acid	mg/dm ²	<5	10
10% Ethanol	mg/dm ²	<5	10
Conclusion		PASS	-

Method: In House

Remark: 1. According to European Commission Regulation (EC) No. 10/2011, the selection of test condition and food simulants should be based on Article 18 of the Regulation as from 1 January 2016.

Note: "<" = less than
mg/dm² = milligram per square decimetre

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Specific Migration of Heavy Metals – European Commission Regulation (EC) No. 10/2011

Test Condition: 3% acetic acid: 40 °C, 2 hrs

Test Item	Simulant Used	Result (mg/kg)							Conclusion
		Ba	Co	Cu	Fe	Li	Mn	Zn	
A1	3% Acetic acid	<1	<0.05	<5	<48	<0.6	<0.6	<25	PASS
A2	3% Acetic acid	<1	<0.05	<5	<48	<0.6	<0.6	<25	PASS
A3	3% Acetic acid	<1	<0.05	<5	<48	<0.6	<0.6	<25	PASS
A4	3% Acetic acid	<1	<0.05	<5	<48	<0.6	<0.6	<25	PASS
A5	3% Acetic acid	<1	<0.05	<5	<48	<0.6	<0.6	<25	PASS
A6	3% Acetic acid	<1	<0.05	<5	<48	<0.6	<0.6	<25	PASS
Maximum Permissible Limit		1	0.05	5	48	0.6	0.6	25	-

Test Condition: 3% acetic acid: 5 °C, 10 days

Test Item	Simulant Used	Result (mg/kg)							Conclusion
		Ba	Co	Cu	Fe	Li	Mn	Zn	
A11	3% Acetic acid	<1	<0.05	<5	<48	<0.6	<0.6	<25	PASS
Maximum Permissible Limit		1	0.05	5	48	0.6	0.6	25	-

Ba = Barium, Co = Cobalt, Cu = Copper, Fe = Iron, Li = Lithium, Mn = Manganese, Zn = Zinc

Method: EN 13130-1: 2004. The heavy metals content was determined by Inductively Coupled Plasma Mass Spectrometer.

Remark: 1. According to European Commission Regulation (EC) No. 10/2011, the selection of test condition and food simulants should be based on Article 18 of the Regulation as from 1 January 2016.

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



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Specific Migration of Primary Aromatic Amine Releases – European Commission Regulation (EC) No. 10/2011

Test Condition: 3% acetic acid: 40 °C, 2 hrs

Simulant Used	Unit	Result					Maximum Permissible Limit
		A1	A2	A3	A4	A6	
3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Conclusion		PASS	PASS	PASS	PASS	PASS	-

Test Condition: 3% acetic acid: 5 °C, 10 days

Simulant Used	Unit	Result	Maximum Permissible Limit
		A11	
3% Acetic acid	mg/kg	<0.01	0.01
Conclusion		PASS	-

Method: EN 13130-1:2004 and Draft EN 13130-XX: 2004, Part A.

Remark: 1. According to European Commission Regulation (EC) No. 10/2011, the selection of test condition and food simulants should be based on Article 18 of the Regulation as from 1 January 2016.

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

Formaldehyde Content in Wood – Client’s Limit

Test Item	Formaldehyde (mg/kg)		Conclusion
	Result	Client’s Limit	
A7	<16	80	PASS

Method: EN 717-3:1996

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

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Pentachlorinated Phenol Content – German Chemicals Act (Prohibition of Chemicals Ordinance - Chem Verbots V)

Test Item	Pentachlorophenol (PCP) [CAS No. 87-86-5] (mg/kg)		Conclusion
	Result	Limit (Remark)	
A7	<1	5	PASS
A8	<1	5	PASS
A9	<1	5	PASS
A10	<1	5	PASS

Method: LFGB §64B 82.02-8: 2001 (modified)

Remark: The limit refers to the Chemicals Act (Prohibition of Chemicals Ordinance – Chemikalien-Verbots-Verordnung- Chem Verbots V, 19 July 1996 as last amended on 9 October 1996.

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

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Materials in Contact with Foodstuffs [For Material: Paper] – § 30 and 31 LFGB & Regulation (EC) No. 1935/ 2004

A. Specific Migration of dyes

Parameter	Food Stimulant	Result			Maximum Permissible Limit
		A8	A9	A10	
Dyes transfer to filter paper	D.I. 3% Acetic acid Saliva Olive Oil	5	5	5	5 Scale
Conclusion		PASS	PASS	PASS	-

Method: BS EN 646 : 2006

Scale: 1 = Complete Change Or Staining
2 = Severe Change Or Staining
3 = Moderate Change Or Staining
4 = Slight Change Or Staining
5 = Negligible/No Change Or Staining

B. Migration of Optical Brighteners and Colorants

Parameter	Result			Maximum Permissible Limit
	A8	A9	A10	
Migration of Optical Brighteners	5	5	5	Minimum Grade 5
Migration of Colorants	5	5	5	Minimum Grade 5
Conclusion	PASS	PASS	PASS	-

Method: BS EN 648: 2006

C. Formaldehyde Content

Test Item	Result - Formaldehyde (mg/dm ²)	Conclusion
A8	<0.5	PASS
A9	<0.5	PASS
A10	<0.5	PASS
Maximum Permissible Limit	1	-

Method: DIN EN 645: 1994. The test solution was analyzed according to EN 1541:2001

Note: mg/dm² = milligram per square decimeter
“<” = less than

Remark: The limit refers to BfR Recommendation XXXVI.

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COMPONENT BREAKDOWN LIST:

Test Item	Component Description
B1	Transparent liquid

TEST RESULT:

EP 2.6.12 – Microbiological Examination of Non-Sterile Products: Microbial Enumeration Tests

Test Item	Parameter	Result	Requirement	Conclusion
B1	Total Aerobic microbial Count	<10 CFU/ml	-	-
	Total Combined Molds and Yeast Count	<10 CFU/ml	-	-
	Total Viable Count (TAMC + TYMC)	<10 CFU/ml	≤5000 CFU/ml	PASS

Method: With reference to European Pharmacopeia (EP) 8.0, Chapter 2.6.12.

Note: CFU/ml = colony forming units per milliliter
< = less than
≤ = not more than

EP 2.6.13 – Microbiological Examination of Non-Sterile Products: Test For Specified Micro-Organisms.

Test Item	Parameter	Result	Requirement	Conclusion
B1	Bile-tolerant Gram-Negative Bacteria	Absence	Absence	PASS
	<i>E. coli</i>	Absence	Absence	PASS
	<i>Salmonella spp</i>	Absence	Absence	PASS
	<i>Pseudomonas aeruginosa</i>	Absence	Absence	PASS
	<i>Staphylococcus aureus</i>	Absence	Absence	PASS
	<i>Clostridia</i>	Absence	Absence	PASS
	<i>Candida albicans</i>	Absence	Absence	PASS

Method: With reference to European Pharmacopeia (EP) 8.0, Chapter 2.6.13

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NOTE:

If there is question or concern regarding the above results, please contact the appropriate lab person below:

Technical question & concern:

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