

TEST REPORT

Test Report #	20G-000328	Date of Report Issue:	March 17, 2020
Date of Sample Received:	March 3, 2020	Pages:	Page 1 of 11

CLIENT INFORMATION:

Company:	Brandart Ltd
Company Address:	Studio House, Heckworth Close, Colchester, C049TB. UK



SAMPLE INFORMATION:

Description:	Super Tumbler - Purple		
Assortment:	-	Purchase Order Number:	-
SKU/style No.:	A054	Toy Co./Agency:	-
Factory/Supplier/Vendor:	MIT Industrial Corp	Buyer:	-
Country of Origin:	China	Labeled Age Grade:	3 +
Country of Distribution:	UK & EU	Recommended Age Grade:	-
Quantity Submitted:	12 PCS	Tested Age Grade:	-
Testing Period:	03/03/2020 – 03/17/2020		

OVERALL RESULT:

 **PASS**

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

QIMA Testing (Dongguan) Co., Ltd.



Frankie Lin Guan Qin
Manager, Chemical Laboratory

QIMA Testing (Dongguan) Co., Ltd. ♦ Room 301, Building No.4, Dongkeng Qianmei Road No.8, Dongkeng County, Dongguan City, Guangdong Province, China ♦ Tel: (769)8101 3838.

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TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	Commission Regulation (EU) No. 10/2011 with its amendments Overall Migration
PASS	Commission Regulation (EU) No. 10/2011 with its amendments – Regulation (EU) 752/2017 Specific Migration - Heavy Metals
PASS	Commission Regulation (EU) No. 10/2011 with its amendments, Specific Migration - Primary Aromatic Amines
PASS	Commission Regulation (EU) No. 10/2011 Plastic Materials and Articles Intended to Come into Contact with Food, Specific Migration of Phthalates
PASS	French Law No. 2012-1442 of 24 December 2012, Total Bisphenol A (BPA) Content in Packaging, Containers or Utensils
PASS	Commission Regulation (EU) No. 10/2011 with its amendments, Specific Migration of Vinyl Chloride Monomer ^{##}

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DETAILED RESULTS:

Commission Regulation (EU) No. 10/2011 with its amendments Overall Migration

Test Method: BS EN 1186-1:2002, BS EN 1186-3:2002 (Total Immersion Method)

Specimen No.			1	2	---	Limit (mg/dm²)
Test Simulant	Test Condition		Result (mg/dm²)	Result (mg/dm²)	Result (mg/dm²)	
	Temp.	Duration				
3% Acetic acid	70 °C	2H	2	ND	---	10
50% Ethanol	70 °C	2H	6	ND	---	10
Conclusion			PASS	PASS	---	

Note:

Temp. = Temperature

°C = Degree Celsius

mg/dm² = Milligrams per square decimeter

LT = Less than

ND = Not detected (Reporting Limit = 2 mg/dm²)

Unless specified, 1st migration is reported.

DETAILED RESULTS:

Commission Regulation (EU) No. 10/2011 with its amendments – Regulation (EU) 752/2017 Specific Migration - Heavy Metals

Test Method: Regulation (EU) No. 10/2011 with its amendments ANNEX II and ANNEX V ,
BS EN 13130-1:2004 (Total Immersion Method)

Analytical Method: Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

Test Condition:

Simulant: 3% Acetic acid Temperature: 70 °C Duration: 2H

Specimen No.	1	2	---	---	RL (mg/kg)	Migratable Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)		
Aluminum (Al)	ND	0.2	---	---	0.2	1
Barium (Ba)	ND	ND	---	---	0.1	1
Cobalt (Co)	ND	ND	---	---	0.01	0.05
Copper (Cu)	ND	ND	---	---	0.1	5
Iron (Fe)	ND	ND	---	---	0.1	48
Lithium (Li)	ND	ND	---	---	0.05	0.6
Manganese (Mn)	ND	ND	---	---	0.05	0.6
Nickel (Ni)	ND	ND	---	---	0.02	0.02
Zinc (Zn)	ND	ND	---	---	0.1	5
Conclusion	PASS	PASS	---	---		

Note:

°C = Degree Celsius

mg/kg = Milligrams per kilogram foodstuff

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

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DETAILED RESULTS:

Commission Regulation (EU) No. 10/2011 with its amendments, Specific Migration - Primary Aromatic Amines

Test Method: Regulation (EU) No. 10/2011 with its amendments ANNEX II and ANNEX V, BS EN 13130-1:2004 (Total Immersion Method)

Analytical Method: Liquid Chromatography with Tandem Mass Spectrometry (LC-MSMS)

Test Condition:

Simulant: 3% Acetic acid Temperature: 70°C Duration: 2H

Specimen No.	1	2	---	RL (mg/kg)	Migratable Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)		
2,4,5-Trimethylaniline(2,4,5-TMA)	ND	ND	---	0.002	
2,4-Dimethylaniline(2,4-DMA)	ND	ND	---	0.002	
2,4-Toluenediamine(2,4-TDA)	ND	ND	---	0.002	
2,6-Dimethylaniline(2,6-DMA)	ND	ND	---	0.002	
2,6-Toluenediamine(2,6-TDA)	ND	ND	---	0.002	
2-Methoxy-5-Methylaniline(2-M-5-MA)	ND	ND	---	0.002	
3,3-Dimethylbenzidine(3,3-DMB)	ND	ND	---	0.002	
4,4-Diaminodiphenylether(4,4-DPE)	ND	ND	---	0.002	
4,4'-Methylenedianiline(4,4-MDA)	ND	ND	---	0.002	
4,4-Methylenedi-o-toluidine(4,4-MDoT)	ND	ND	---	0.002	
4-Aminobiphenyl(4-ABP)	ND	ND	---	0.002	
4-Chloro-Aniline(4-CA)	ND	ND	---	0.002	
4-Chloro-o-Toluidine(4-CoT)	ND	ND	---	0.002	
Aniline(ANL)	ND	ND	---	0.002	
4-Methoxy-mphenylenediamine(4-M-mPDA)	ND	ND	---	0.002	
Benzidine(BNZ)	ND	ND	---	0.002	
M-Phenylenediamine(m-PDA)	ND	ND	---	0.002	
O-Anisidine(o-ASD)	ND	ND	---	0.002	
O-Toluidine(O-T)	ND	ND	---	0.002	
P-Phenylenediamine(p-PDA)	ND	ND	---	0.002	
1,5-Diaminenaphthalene(1,5-DAN)	ND	ND	---	0.002	
Specific migration of primary aromatic amines (total)	ND	ND	---	--	0.01
Conclusion	PASS	PASS	---		

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Note:

°C = Degree Celsius

mg/kg = Milligrams per kilogram foodstuff

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

1st migration is reported.

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DETAILED RESULTS:

Commission Regulation (EU) No. 10/2011 Plastic Materials and Articles Intended to Come into Contact with Food, Specific Migration of Phthalates

Test Method: BS EN 13130-1:2004, EU(No) 10/2011
Analytical Method: Liquid Chromatography with Mass Spectrometry

Test Condition:

Simulant: 3% Acetic acid Temperature: 70°C Duration: 2H

Specimen No.		1	2	---		
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	RL (mg/kg)	Limit (mg/kg)
Dibutyl phthalate (DBP)	84-74-2	ND	ND	---	0.1	0.3
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	---	0.1	30
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	---	0.1	1.5
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	---	1	
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	---	1	
Sum of DINP, DIDP		ND	ND	---	1	9
Conclusion		PASS	PASS	---		

Note:

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mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

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DETAILED RESULTS:

French Law No. 2012-1442 of 24 December 2012, Total Bisphenol A (BPA) Content in Packaging, Containers or Utensils

Test Method: In-House Method (SOP-CH-1052)

Analytical Method: Liquid Chromatography with Tandem Mass Spectrometry (LC-MSMS)

Specimen No.	1	2	---	---	Limit (ppm)
Test Item CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA) 80-05-7	ND	ND	---	---	ND
Conclusion	PASS	PASS	---	---	

Note:

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

LT = Less than

ND = Not Detected (Reporting Limit = 1 ppm)

DETAILED RESULTS:

Commission Regulation (EU) No. 10/2011 with its amendments, Specific Migration of Vinyl Chloride Monomer^{##}

Test Method: Regulation (EU) No. 10/2011 with its amendments ANNEX II and ANNEX V^{##},
EN 13130-1:2004^{##} (Total Immersion Method)

Analytical Method: Gas Chromatography-Mass Spectrometer

Test Condition:

Simulant: 3% Acetic acid Temperature: 70°C Duration: 2 hours

Specimen No.	2	---	---	---	RL (mg/kg)	Migratable Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)		
Vinyl Chloride Monomer	ND	---	---	---	0.01	ND
Conclusion	PASS	---	---	---		

Note:

°C = Degree Celsius

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Purple plastic (PP)	Body
2	Transparent purple plastic (PVC)	Straw

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SAMPLE PHOTO:



-End Report-

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