



TEST REPORT

Report No.: STSGZ2405133056E

Date: 22-May-2024

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Applicant: Mid Ocean Brands B.V.

Address: 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong

The following sample(s) and sample information was/were submitted and identified by client as:

Sample Name: Set of recycled glass drink

Model/Style/Item #: MO6656

Vendor Code: 107978

Receiving Date: 13-May-2024

Test Period: From 13-May-2024 to 16-May-2024

Add Information: -

Test Summary:

#	Test Item(s)	Reference Standard/Method	Result
1	Total Lead content - Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006	IEC 62321-5:2013, determined by AAS	PASS
2	Specific Migration of Formaldehyde - Regulation (EC) No 1935/2004, and the Commission Regulation AP(2004)2	DD CEN/TS 13130-23:2005, determined by UV-Vis	PASS
3	Pentachlorophenol (PCP) content - Regulation (EC) No 1935/2004, and the Commission Regulation AP(2004)2	EN/ISO 15320:2011, determined by GC-MS	PASS
4	Dishwasher safe test (complied with the specification of dishwasher safe test according to PAS 54:2003)	BS EN 12875-1:2005	PASS
5	Microwave safe test	BS EN 15284:2007	PASS
6	Extractable Lead, Cadmium-Regulation (EC) No 1935/2004, the Council of Europe Directive 84/500/EEC and its amendment 2005/31/EC	EN 1388-1:1995, determined by AAS	PASS

*****Please refer to the following page for detailed results*****

Signed for and on behalf of STS

Tim Qi
(Technical Director)



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Result:

1. Total Lead content - Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006 IEC 62321-5:2013, determined by AAS

Compound	Material		Limit (mg/kg)	RL (mg/kg)
	1	2		
1 Lead(Pb) CAS#7439-92-1	N.D.	N.D.	500	10
Conclusion	PASS	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)

2. Specific Migration of Formaldehyde - Regulation (EC) No 1935/2004, and the Commission Regulation AP(2004)2 DD CEN/TS 13130-23:2005, determined by UV-Vis

Test Condition: 3% Acetic acid, 70°C, 2h

Compound	Material		Limit (mg/kg)	RL (mg/kg)
	2			
1 Formaldehyde	N.D.		15	1
Conclusion	PASS		-	-

Remark(s): (a) mg/kg: milligram per kilogram
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)

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**3. Pentachlorophenol (PCP) content - Regulation (EC) No 1935/2004, and the Commission Regulation AP(2004)2
EN/ISO 15320:2011, determined by GC-MS**

Compound		Material	Limit (mg/kg)	RL (mg/kg)
		2		
1	Pentachlorophenol CAS# 87-86-5	N.D.	0.15	0.1
Conclusion		PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)

**4. Dishwasher safe test (complied with the specification of dishwasher safe test according to PAS 54:2003)
BS EN 12875-1:2005**

After 10 cycles	Sample	3A	3B	3C
	Color ¹⁾	0	0	0
	Gloss	0	0	0
	Clouding	0	0	0
	Resistant deposits and iridescent layers ²⁾	0	0	0
	Other aspects	0	0	0

After 10 cycles	Sample	4A	4B	4C
	Color ¹⁾	0	0	0
	Gloss	0	0	0
	Clouding	0	0	0
	Resistant deposits and iridescent layers ²⁾	0	0	0
	Other aspects	0	0	0

Remark(s): 1).If several colours are present on one article to be inspected, the colour with the greatest change shall be chosen.
2).For the elimination of easily removable deposits.
3).See photo bar for test photos

Note: Pictures are for reference only. Actual colours of the pictures may vary due to lighting and output process.
Evaluation of inspection criteria quoted from BS EN 12875-1:2005.

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Classification	Rating
0	No visible change
1	First discernible change
2	Clearly visible change

Requirements quoted from Publicly Available Specification PAS 54: 2003

Articles that are designated “dishwasher resistant”, “dishwasher proof”, “dishwasher safe” or any other similar description that suggests that the articles can be safely cleaned in a dishwasher shall, either show no visible change compared with untreated tableware (Classification 0) or show very slightly visible change (Classification 1) but shall not show clearly visible change (Classification 2)

5. Microwave safe test BS EN 15284:2007

Sample Description: Glass									
Sample	Arcing	Max surface Temperature of sample after short period heating(°C)	Visual damage checking required for plastic sample						Rating
			Short period of heating						
			Cracking	Color	Melting	Deformation	Suitability for re-use	Charring	
3A	0	32.0	0	0	0	0	0	0	Pass
3B	0	33.0	0	0	0	0	0	0	Pass
3C	0	32.0	0	0	0	0	0	0	Pass

Sample Description: Glass									
Sample	Arcing	Max surface Temperature of sample after short period heating(°C)	Visual damage checking required for plastic sample						Rating
			long period of heating						
			Cracking	Color	Melting	Deformation	Suitability for re-use	Charring	
3A	0	32.0	0	0	0	0	0	0	Pass
3B	0	33.0	0	0	0	0	0	0	Pass
3C	0	32.0	0	0	0	0	0	0	Pass

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Sample Description: Article										
Sample	Arcing	Max surface Temperature of sample after short period heating(°C)	Visual damage checking required for plastic sample						Rating	
			Short period of heating							
			Cracking	Color	Melting	Deformation	Suitability for re-use	Charring		
4A	0	32.0	0	0	0	0	0	0	0	Pass
4B	0	33.0	0	0	0	0	0	0	0	Pass
4C	0	32.0	0	0	0	0	0	0	0	Pass

Sample Description: Article										
Sample	Arcing	Max surface Temperature of sample after short period heating(°C)	Visual damage checking required for plastic sample						Rating	
			long period of heating							
			Cracking	Color	Melting	Deformation	Suitability for re-use	Charring		
4A	0	32.0	0	0	0	0	0	0	0	Pass
4B	0	33.0	0	0	0	0	0	0	0	Pass
4C	0	32.0	0	0	0	0	0	0	0	Pass

Requirement:

	The maximum surface temperature after short period heating shall not exceed the following limit value:
Ceramic, glass-ceramic or glass	56°C
Plastics:	60°C

Observation Parameter(s)	Visual damage checking required for the sample
Cracking	No visible change
Color ^a	No visible change
Melting ^b	No visible change
Deformation	No visible change
Suitability for re-use ^c	Suitable for reuse
Charring	No visible change

Remark(s): (1) ^a = if several colours are present on one article to be inspected, the colour with the greatest change shall be chosen
(2) ^b = article shall not be too soft to handle
(3) ^c = article shall be washable and stain resistant

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**6. Extractable Lead, Cadmium -Regulation (EC) No 1935/2004, the Council of Europe Directive 84/500/EEC and its amendment 2005/31/EC
EN 1388-1:1995, determined by AAS**

Test Condition: 4% Acetic acid, 22°C, 24h

Test specification		Result(s)		Limit (mg/L)	RL (mg/L)
		1	3		
1	Lead (Pb)	N.D.	N.D.	4	0.1
2	Cadmium (Cd)	N.D.	N.D.	0.3	0.01
Conclusion		PASS	PASS	-	-

Remark(s): (a) mg/L: milligram per litre
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)

Material List:

Material #	Sample Description / Position	Material
1	Transparent glass,bottle	Glass
2	Brown cork wood,stopper	wood
3	Transparent glass,cup	Glass
4	Article	-

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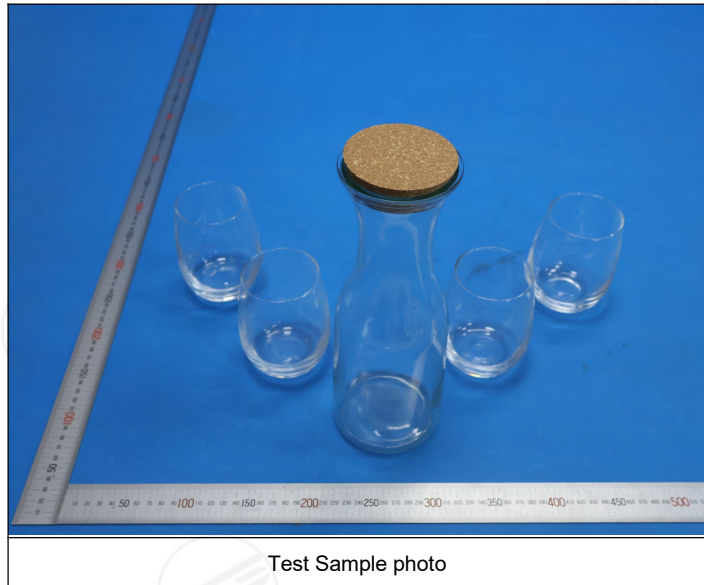
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Photo(s):



<<<<< END OF REPORT >>>>>

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