TEST REPORT

Report No.	:	WTF22F09191899C
Applicant	:	Mid Ocean Brands B.V.
Address	:	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
Manufacturer	:	111652
Sample Name	:	Waist bag in 600D RPET polyester
Sample Model	:	MO6719
Test Requested	:	1) Determination of Lead content in the submitted sample in accordance with REACH regulation Annex XVII Entries 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628 2) Determination of Cadmium content in the submitted sample in accordance with REACH regulation Annex XVII Entries 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011, No. 835/2012 and (EU) 2016/217 3) Determination of specified Phthalates content according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & No. 2018/2005 4) Determine the specified AZO Colorants contents in the submitted sample in according to the Entries 43 in Annex XVII of the REACH Regulation (EC) No.1907/2006 and the Amendment Regulation (EC) No.552/ 2009 & No.126/ 2013 (previously restricted under Directive 2002/61/EC). 5) As requested by the applicant, to test Colour Fastness to Rubbing in the submitted sample.
Test Conclusion	:	Refer to next page (s)
Date of Receipt sample	:	2022-09-22
Testing period	:	2022-09-22 to 2022-09-28
Date of Issue	:	2022-09-29
Test Result	:	Refer to next page (s)
Note	:	As specified by client, only test the designated sample.

Prepared By:

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Signed for and on behalf of
Waltek Testing Group (Foshan) Co., Ltd.

Swing.Liang

Swing.Liang
Waltek Testing Group (Foshan) Co., Ltd.

Sample photo:

Test Results:

1) Lead (Pb)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.1+No.2+No.10	No.3+No.8+No.11	
Lead(Pb)	2	ND*	ND*	500
Conclusion	**--**	**Pass**	**Pass**	**--**

Test Item	LOQ (mg/kg)	Results (mg/kg)				Limit (mg/kg)
		No.4	No.5+No.6	No.7	No.9	
Lead(Pb)	2	ND	26*	20	ND	500
Conclusion	**--**	**Pass**	**Pass**	**Pass**	**Pass**	**--**

Note:

(1) mg/kg = milligram per kilogram

(2) ND = Not Detected (lower than LOQ)

(3) LOQ = Limit of quantitation

(4) Limit of Lead was quoted from REACH regulation Annex XVII Item 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628.

(5) "*" = Results are calculated by the minimum weight of mixed components.

2) Cadmium (Cd)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.1+No.2+No.10	No.3+No.8+No.11
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	**Pass**	**Pass**

Test Item	LOQ (mg/kg)	Results (mg/kg)			
		No.4	No.5+No.6	No.7	No.9
Cadmium(Cd)	2	ND	ND*	ND	ND
Conclusion	--	**Pass**	**Pass**	**Pass**	**Pass**

Note:

(1) mg/kg = milligram per kilogram

(2) ND = Not Detected (lower than LOQ)

(3) LOQ = Limit of quantitation

(4) Limit of Cadmium according to REACH regulation Annex XVII Item 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011 and No. 835/2012 and (EU) 2016/217.

Category	Limit (mg/kg)
Wet paint	100
Surface coating	1000
Plastic	100
Metal parts of jewellery and hair accessories	100

(5) "*" = Results are calculated by the minimum weight of mixed components.

3) Phthalates

Test Method: With reference to EN14372:2004, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test Items	LOQ (%)	Results (%)			Limit (%)
		No.4	No.5	No.6	
Benzyl butyl phthalate (BBP)	0.005	ND	ND	ND	sum of four phthalates < 0.1
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	0.010	ND	ND	
Dibutyl phthalate (DBP)	0.005	ND	ND	ND	
Diisobutyl phthalate (DIBP)	0.005	ND	ND	ND	
Diisodecyl phthalate (DIDP)	0.01	ND	ND	ND	sum of three phthalates < 0.1
Diisononyl phthalate (DINP)	0.01	ND	ND	ND	
Di-n-octyl phthalate (DNOP)	0.005	ND	ND	ND	
Conclusion	--	**Pass**	**Pass**	**Pass**	--

Note:

DBP= Dibutyl phthalate
BBP= Benzyl butyl phthalate
DEHP= Bis-(2-ethylhexyl)- phthalate
DINP= Di-isononyl phthalate
DNOP= Di-n-octyl phthalate
DIDP= Di-isodecyl phthalate
DIBP= Diisobutyl phthalate

(1) % = percentage by weight
(2) ND = Not Detected or lower than limit of quantitation
(3) LOQ = Limit of quantitation
(4) "<" = less than
(5) The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & No. 2018/2005 (formerly known as Directive 2005/84/EC) for phthalate content in toys and child care articles.

4) AZO

Test Method: With reference to BS EN ISO 14362-1：2017 and BS EN ISO 14362-3：2017, analysis was performed by Gas Chromatographic Mass Spectrometry (GC-MS)

No.	Amines Substances	CAS No.	Limit (mg/kg)	Result (mg/kg)
				No.1+No.2+No.10
1	4-Aminobiphenyl	92-67-1	30	ND*
2	Benzidine	92-87-5	30	ND*
3	4-chloro-o-Toluidine	95-69-2	30	ND*
4	2-Naphthylamine	91-59-8	30	ND*
5	o-Aminoazotoluene	97-56-3	30	ND*
6	2-Amino-4-nitrotoluene	99-55-8	30	ND*
7	p-Chloroaniline	106-47-8	30	ND*
8	2,4-diaminoanisol	615-05-4	30	ND*
9	4,4’-Diaminodiphenylmethane	101-77-9	30	ND*
10	3,3’-Dichlorobenzidine	91-94-1	30	ND*
11	3,3’-Dimethoxybenzidine	119-90-4	30	ND*
12	3,3’-Dimethylbenzidine	119-93-7	30	ND*
13	3,3’-Dimethyl-4,4’-diaminodiphenylmethane	838-88-0	30	ND*
14	p-cresinin	120-71-8	30	ND*
15	4,4’-Methylen-bis-(2-chloroaniline)	101-14-4	30	ND*
16	4,4’-Oxydianiline	101-80-4	30	ND*
17	4,4’-Thiodianiline	139-65-1	30	ND*
18	o-Toluidine	95-53-4	30	ND*
19	2,4-Toluylendiamine	95-80-7	30	ND*
20	2,4,5 – Trimethylaniline	137-17-7	30	ND*
21	o-anisidine	90-04-0	30	ND*
22	4-aminoazobenzene	60-09-3	30	ND*
23	2,4-Xylidin	95-68-1	30	ND*
24	2,6-Xylidin	87-62-7	30	ND*
Conclusion		--	--	**Pass**

Note:

- ND = Not Detected or lower than limit of quantitation
- mg/kg=Milligram per kilogram
- Limit of quantitation (mg/kg): Each 5mg/kg
- The CAS-numbers 97-56-3 and 99-55-8 are further reduced to CAS-numbers 95-53-4 and 95-80-7.
- AZO colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4-phenylenediamine. The presence of these colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorant used.
- The CAS-numbers 95-68-1 and 87-62-7 are not proscribed under REACH Regulation (EC) No 1907/2006
- “*” = Results are calculated by the minimum weight of mixed components.

5) Colour Fastness to Rubbing

Colour Fastness to Rubbing					
(ISO 105-X12: 2016; Size of rubbing finger: 16mm diameter.)					
		No.1	**No.2**	**No.10**	**Client's Limit**
Length	Dry staining	4-5	4-5	4-5	2-3
	Wet staining	4	4-5	4-5	2-3
Width	Dry staining	4-5	4-5	4-5	2-3
	Wet staining	4	4-5	4-5	2-3
Conclusion		**Pass**	**Pass**	**Pass**	--

Note:

(1) Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

Description for Specimen:

Specimen No.	Specimen Description
1	Black main fabric
2	Black webbing
3	Black webbing
4	Black elastic band
5	Black plastic buckle
6	Black plastic buckle
7	Silvery metal zipper head with black coating
8	Black zipper fabric
9	Black plastic zipper tooth
10	Black lining
11	Black fabric rim

Photograph of parts tested:

Remarks:

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====== End of Report ======