



TEST REPORT

Report No.: STSGZ2409273055E

Date: 11-Oct-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: Drawstring Bag
Model: MO6436
vendor code : 107978
Receiving Date: 27-Sep-2024
Test Period: From 27-Sep-2024 to 9-Oct-2024
Add Information: -

Test Summary:

#	Test Item(s)	Reference Standard/Method	Result
1	Azo colorants content - Item 43 of Annex XVII of the REACH Regulation (EC) No 1907/2006 & amendment (EC) No 552/2009 and (EU) No 126/2013	ISO 14362-1:2017 & ISO 14362-3:2017, determined by GC/MS and HPLC	PASS
2	Total Lead content -Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006	IEC 62321-5:2013,determined by AAS	PASS
3	Colour Fastness to Rubbing-Client's requirement	ISO 105-X12:2016	PASS

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

Signed for and on behalf of STS

Mark Mai
(Technical Director)



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Guangzhou Depuhua Test Services Co. Ltd.

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Result:

1. **Azo colourants content - Item 43 of Annex XVII of REACH Regulation (EC) No 1907/2006 & amendment EC No 552/2009 and (EU) No 126/2013**
ISO 14362-1:2017& ISO 14362-3:2017, determined by GC/MS and HPLC

Compound	Material			Limit (mg/kg)	RL (mg/kg)
	1	2	3		
1 Biphenyl-4-ylamine/4-aminobiphenyl/ Xenylamine CAS#92-67-1	N.D.	N.D.	N.D.	30	5
2 Benzidine CAS#92-87-5	N.D.	N.D.	N.D.	30	5
3 4-chloro-o-toluidine CAS#95-69-2	N.D.	N.D.	N.D.	30	5
4 2-Naphthylamine CAS#91-59-8	N.D.	N.D.	N.D.	30	5
5 o-aminoazotoluene/4-o-tolyazao-o- toluidine /4-amino-2',3- dimethylazobenzene* CAS#97-56-3	N.D.	N.D.	N.D.	30	5
6 5-nitro-o-toluidine/2-amino-4- nitrotoluol* CAS#99-55-8	N.D.	N.D.	N.D.	30	5
7 4-chloroaniline CAS#106-47-8	N.D.	N.D.	N.D.	30	5
8 4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole CAS#615-05-4	N.D.	N.D.	N.D.	30	5
9 4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane CAS#101-77-9	N.D.	N.D.	N.D.	30	5
10 3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'- ylenediamine CAS#91-94-1	N.D.	N.D.	N.D.	30	5
11 3,3'-dimethoxybenzidine/o-dianisidine CAS#119-90-4	N.D.	N.D.	N.D.	30	5
12 3,3'-dimethylbenzidine/4,4'-bi-o- toluidine CAS#119-93-7	N.D.	N.D.	N.D.	30	5
13 4,4'-methylenedi-o-toluidine CAS#838-88-0	N.D.	N.D.	N.D.	30	5
14 6-methoxy-m-toluidine/p-cresidine CAS#120-71-8	N.D.	N.D.	N.D.	30	5
15 4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline CAS#101-14-4	N.D.	N.D.	N.D.	30	5
16 4,4'-oxydianiline CAS#101-80-4	N.D.	N.D.	N.D.	30	5

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17	4,4'-thiodianiline CAS#139-65-1	N.D.	N.D.	N.D.	30	5
18	o-toluidine/2-aminotoluen CAS#95-53-4	N.D.	N.D.	N.D.	30	5
19	2,4-diaminotoluene/2,4- toluylendiamine/ methyl-m-phenylenediamine CAS#95-80-7	N.D.	N.D.	N.D.	30	5
20	2,4,5-trimethylaniline CAS#137-17-7	N.D.	N.D.	N.D.	30	5
21	o-anisidine/2-methoxyaniline CAS#90-04-0	N.D.	N.D.	N.D.	30	5
22	4-aminoazobenzene** CAS#60-09-3	N.D.	N.D.	N.D.	30	5
Conclusion		PASS	PASS	PASS	-	-

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

*: The amines o-aminoazotoluene (No 5, CAS No.97-56-3) and 2-amino-4-nitrotoluene (No 6, CAS No.99-55-8) are further reduced to o-toluidine (No 18, CAS No. 95-53-4) and 2, 4-diaminotoluene (No 19, CAS No. 95-80-7).

** : Azo colorants that are able to form 4-aminoazobenzene (No 22, CAS No. 60-09-3) generate, under the condition of this method, aniline (CAS No. 62-53-3) and 1, 4-phenylenediamine (CAS No. 106-50-3). Due to detection limits, only aniline may be detected. If aniline is detected above 5mg/kg, then the presence of these colorants should be tested by ISO 14362-3:2017.

2. 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	3		
1 Lead(Pb) CAS#7439-92-1	N.D.	N.D.	N.D.	500	10
Conclusion	PASS	PASS	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. Colour Fastness to Rubbing

PASS

ISO 105-X12:2016, (Minimum requirement(Grade): Dry \geq 2-3, Wet \geq 2-3)

Sample	Result (Grade)	
	Dry	Wet
Red/orange fabric(main material)	4-5	4-5
Yellow/green fabric (main material)	4-5	4-5
Blue/purple fabric(main material)	4-5	4-5
Black fabric(drawstring)	4	4-5
Black webbing (strap)	4	4-5

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

Material List:

Material #	Position / Sample Description
1	Multicolor printed white textile,bag
2	Black textile,rope
3	Black fabric,band

Remark(s): The test material point is specified by client,the chemical test conclusions in the report only apply to the test material.

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Photo(s):



Test sample photo

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