Test Report

Report No.	:	AGC05443220925-001

SAMPLE NAME	:	Travel Pillow in RPET
MODEL NAME	:	MO6709
APPLICANT	:	MID OCEAN BRANDS B.V
STANDARD(S)	:	Please refer to the following page(s).
DATE OF ISSUE	:	Sep.22, 2022

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.

Applicant	:	MID OCEAN BRANDS B.V
Address	:	7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Test Site	:	6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Report on the submitted sample(s) said to be:

Sample Name	:	Travel Pillow in RPET
Model	:	MO6709
Country of Origin	:	CHINA
Country of Destination	:	EUROPE
Vendor code	:	111587
Sample Received Date	:	Sep.20, 2022
Testing Period	:	Sep.20, 2022 to Sep.22, 2022

Test Requested:	**Conclusion**
1. As specified by client, to determine the Aromatic Amines Azodyes(AZO) content in the submitted sample(s) with reference to entry 43, Annex XVII of the REACH Regulation (EC) No 1907/2006.	**Pass**
2. As specified by client, to determine the Phthalates content in the submitted sample(s) with reference to entry 51&52, Annex XVII of the REACH Regulation (EC) No 1907/2006.	**Pass**
3. As specified by client, to determine the Cadmium(Cd) content in the submitted sample(s) with reference to entry 23, Annex XVII of the REACH Regulation (EC) No 1907/2006.	**Pass**
4. As specified by client, to determine the Lead(Pb) content in the submitted sample(s) with reference to entry 63, Annex XVII of the REACH Regulation (EC) No 1907/2006.	**Pass**
5. As specified by client, to determine Colour fastness to rubbing in the submitted sample(s).	**Pass**

Approved by: Huangguohua — Huangguohua, Vice Laboratory Manager

Approved by: Jessie.Liang — Liangdan, Jessie.Liang, Technical Director

Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Sep.22, 2022	Valid	Initial release

Test Result(s):

1. Test Result of Aromatic Amines Azodyes(AZO) Content

Test Item	CAS No.	Test Method/ Instrument	MDL	Limit
4-Aminobiphenyl	92-67-1	EN ISO 14362-1:2017/ GC-MS	5mg/kg	≤30mg/kg
Benzidine	92-87-5		5mg/kg	≤30mg/kg
4-Chloro-o-Toluidine	95-69-2		5mg/kg	≤30mg/kg
2-Naphthylamine	91-59-8		5mg/kg	≤30mg/kg
4-amino-2',3-dimethylazobenzene	97-56-3		5mg/kg	≤30mg/kg
5-Nitro-o-toluidine	99-55-8		5mg/kg	≤30mg/kg
4-Chloroaniline	106-47-8		5mg/kg	≤30mg/kg
4-Methoxy-m-phenylenediamine	615-05-4		5mg/kg	≤30mg/kg
4,4'-Diaminodiphenylmethane	101-77-9		5mg/kg	≤30mg/kg
3,3'-Dichlorobenzidine	91-94-1		5mg/kg	≤30mg/kg
3,3'-Dimethoxybenzidine	119-90-4		5mg/kg	≤30mg/kg
3,3'-Dimethybenzidine	119-93-7		5mg/kg	≤30mg/kg
4,4'-Methylenedi-o-toluidine	838-88-0		5mg/kg	≤30mg/kg
6-methoxy-m-toluidine	120-71-8		5mg/kg	≤30mg/kg
4,4'-methylenebis[2-chloroaniline]	101-14-4		5mg/kg	≤30mg/kg
4,4'-Oxydianiline	101-80-4		5mg/kg	≤30mg/kg
4,4'-Thiodianiline	139-65-1		5mg/kg	≤30mg/kg
2-Aminotoluene	95-53-4		5mg/kg	≤30mg/kg
4-methyl-m-phenylenediamine	95-80-7		5mg/kg	≤30mg/kg
2,4,5-Trimethylaniline	137-17-7		5mg/kg	≤30mg/kg
2-Methoxyaniline	90-04-0		5mg/kg	≤30mg/kg
4-Aminoazobenzene [a]	60-09-3		5mg/kg	≤30mg/kg

Note: [a] The EN ISO 14362-1:2017 methods will enable further cleavage of 4-aminoazobenzene to aniline and/or 1,4-phenylenediamine. If aniline and/or 1,4-phenylenediamine are detected, 4-aminoazobenzene shall be further determined by EN ISO 14362-3:2017.

Test Item(s)	Result(s) (mg/kg)			
	1-1	1-2	1-4	1-5
4-Aminobiphenyl	N.D.	N.D.	N.D.	N.D.
Benzidine	N.D.	N.D.	N.D.	N.D.
4-Chloro-o-Toluidine	N.D.	N.D.	N.D.	N.D.
2-Naphthylamine	N.D.	N.D.	N.D.	N.D.
4-amino-2',3-dimethylazobenzene	N.D.	N.D.	N.D.	N.D.
5-Nitro-o-toluidine	N.D.	N.D.	N.D.	N.D.
4-Chloroaniline	N.D.	N.D.	N.D.	N.D.
4-Methoxy-m-phenylenediamine	N.D.	N.D.	N.D.	N.D.
4,4'-Diaminodiphenylmethane	N.D.	N.D.	N.D.	N.D.
3,3'-Dichlorobenzidine	N.D.	N.D.	N.D.	N.D.
3,3'-Dimethoxybenzidine	N.D.	N.D.	N.D.	N.D.
3,3'-Dimethybenzidine	N.D.	N.D.	N.D.	N.D.
4,4'-Methylenedi-o-toluidine	N.D.	N.D.	N.D.	N.D.
6-methoxy-m-toluidine	N.D.	N.D.	N.D.	N.D.
4,4'-methylenebis[2-chloroaniline]	N.D.	N.D.	N.D.	N.D.
4,4'-Oxydianiline	N.D.	N.D.	N.D.	N.D.
4,4'-Thiodianiline	N.D.	N.D.	N.D.	N.D.
2-Aminotoluene	N.D.	N.D.	N.D.	N.D.
4-methyl-m-phenylenediamine	N.D.	N.D.	N.D.	N.D.
2,4,5-Trimethylaniline	N.D.	N.D.	N.D.	N.D.
2-Methoxyaniline	N.D.	N.D.	N.D.	N.D.
4-Aminoazobenzene	N.D.	N.D.	N.D.	N.D.
Conclusion	**Conformity**	**Conformity**	**Conformity**	**Conformity**

2. Test Result of Phthalates Content

Test Item	Test Method/ Instrument	MDL	Limit
Diisobutyl phthalate(DIBP) (CAS No.: 84-69-5)	EN 14372:2004/ GC-MS	0.010%	Single<0.1% Sum<0.1%
Dibutyl phthalate (DBP) (CAS No.: 84-74-2)		0.010%	
Butylbenzyl phthalate (BBP) (CAS No.: 85-68-7)		0.010%	
Di-(2-ethylhexyl) Phthalate (DEHP) (CAS No.: 117-81-7)		0.010%	
Di-n-octyl phthalate (DNOP) (CAS No.: 117-84-0)		0.010%	Sum<0.1%
Di-isononyl phthalate (DINP) (CAS No.: 28553-12-0; 68515-48-0)		0.010%	
Di-isodecyl phthalate(DIDP) (CAS No.: 26761-40-0; 68515-49-1)		0.010%	

Test point	Test result (%)									Conclusion
	DIBP	DBP	BBP	DEHP	Sum(DIBP+DBP +BBP+DEHP)	DNOP	DINP	DIDP	Sum(DNOP+ DINP+DIDP)	
1-3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	**Conformity**

3. Test Result of Cadmium(Cd) Content

Test Item	Cadmium(Cd) (CAS No.: 7440-43-9)
Limit(mg/kg)	<100
MDL(mg/kg)	10
Test Method/ Instrument	IEC 62321-5:2013/ ICP-OES

Test point	Test result (mg/kg)	Conclusion
	Cadmium(Cd)	
1-1	N.D.	**Conformity**
1-2	N.D.	**Conformity**
1-3	N.D.	**Conformity**
1-4	N.D.	**Conformity**
1-5	N.D.	**Conformity**

4. Test Result of Lead(Pb) Content

Test Item	Lead(Pb) (CAS No.: 7439-92-1)
Limit(mg/kg)	<500
MDL(mg/kg)	10
Test Method/ Instrument	IEC 62321-5:2013/ ICP-OES

Test point	**Test result (mg/kg)**	**Conclusion**
	Lead(Pb)	
1-1	N.D.	**Conformity**
1-2	N.D.	**Conformity**
1-3	N.D.	**Conformity**
1-4	N.D.	**Conformity**
1-5	N.D.	**Conformity**

Note:

mg/kg = milligram per kilogram N.D.=Not Detected (less than method detection limit)

MDL = Method Detection Limit %= percentage

Remark:

- As specified by client, only test the designated sample.

5. Test Results of Colour fastness to rubbing

Test Method: ISO 105-X12:2016

Rubbing finger: Cylinder

The time of conditioning as well as the atmospheric conditions during testing: 21.5 ℃, 63 %R.H., 4 hrs

The long direction of the specimen: Warp/ Weft

The percentage of soak of wet rubbing cloth: 95%~100%

Test point	**Test Result**		**Conclusion**
	Colour fastness to rubbing / (Grade)		
	Dry rubbing	Wet rubbing	
1-1	4-5	4-5	**Conformity**
1-2	4-5	4-5	**Conformity**
1-5	4-5	4-5	**Conformity**
Limit (Client's Requirement)	≥2-3	≥2-3	/

Test Method: ISO 105-X12:2016

Rubbing finger: Cylinder

The time of conditioning as well as the atmospheric conditions during testing: 21.5 ℃, 63 %R.H., 4 hrs

The long direction of the specimen: Endwise/ Crossrange

The percentage of soak of wet rubbing cloth: 95%~100%

Test point	Test Result		Conclusion
	Colour fastness to rubbing / (Grade)		
	Dry rubbing	Wet rubbing	
1-4	4-5	4-5	**Conformity**
Limit (Client's Requirement)	≥2-3	≥2-3	/

Note:

Colour Fastness Grade:
Grade 5 = No Colour Change (Best Grade)
Grade 1 = Colour Change Seriously (Bad Grade)

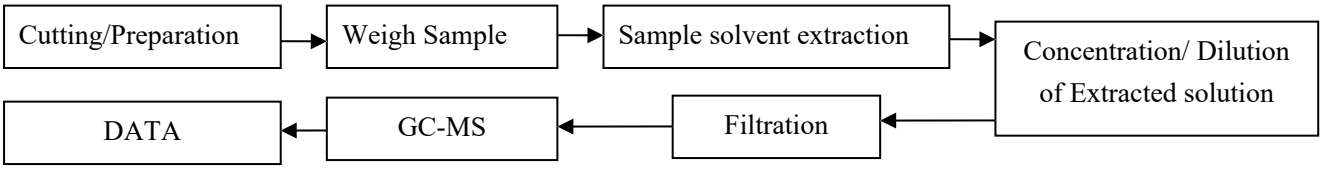
9 grades in gray sample card: 5, 4-5, 4, 3-4, 3, 2-3, 2, 1-2, 1.

Test Point Description

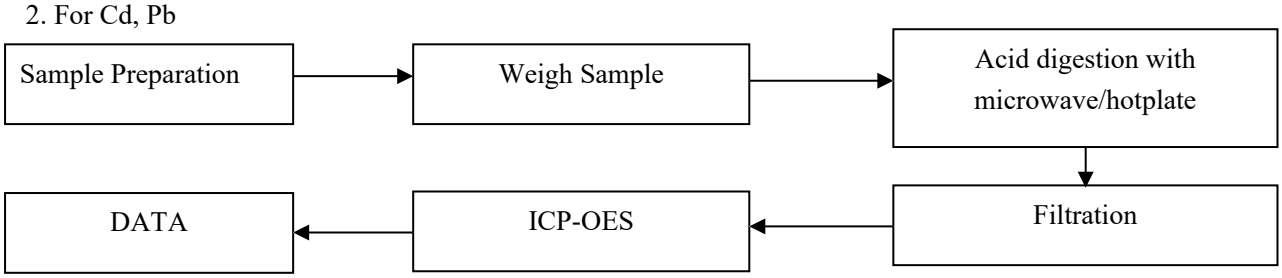
Test point	Test point description
1-1	Pillow black fabric
1-2	Pillow spot fabric
1-3	Black plastic buckle
1-4	Black rope
1-5	Black bag

Test Flow Chart

1. For AZO, Phthalates



2. For Cd, Pb



The photo of the sample

AGC authenticate the photo only on original report

*** End of Report ***

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