

TEST REPORT

<u>APPLICANT</u>	: Mid Ocean Brands B.V
<u>ADDRESS</u>	: 7/F,kings Tower,111 King Lam Street,Cheung Sha Wan, Kowloon,HongKong.
<u>SAMPLE DESCRIPTION</u>	: zipped A4 size portfolio with notepad
<u>ITEM NO.</u>	: MO7597-03
<u>MANUFACTURER</u>	: 114628
<u>COUNTRY OF ORIGIN</u>	: China
<u>COUNTRY OF DESTINATION</u>	: Europe
<u>SAMPLE RECEIVED DATE</u>	: 01-Jul-2021
<u>FURTHER INFORMATION DATE</u>	: 16-Jul-2021
<u>TURN AROUND TIME</u>	: 01-Jul-2021 to 15-Jul-2021
<u>REVISED DATE</u>	: 16-Jul-2021

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Total Cadmium Content	REACH Annex XVII, Entry 23	Pass
Total Lead Content	REACH Annex XVII, Entry 63	Pass
Phthalates Content	REACH Annex XVII, Entry 51 & 52	Pass
Banned AZO Dyes	REACH Annex XVII, Entry 43	Pass
Colour Fastness to Rubbing	ISO 105-X12:2016	Pass

Note: This report cancels and supersedes report number EFSH21062425-CG-01 issued on 15-Jul-2021.

Modification description: Update the limit of Colour Fastness to Rubbing in the revised report.

Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to info.sh@eurofins.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to chinacomplaint@eurofins.com and referring to this report number.

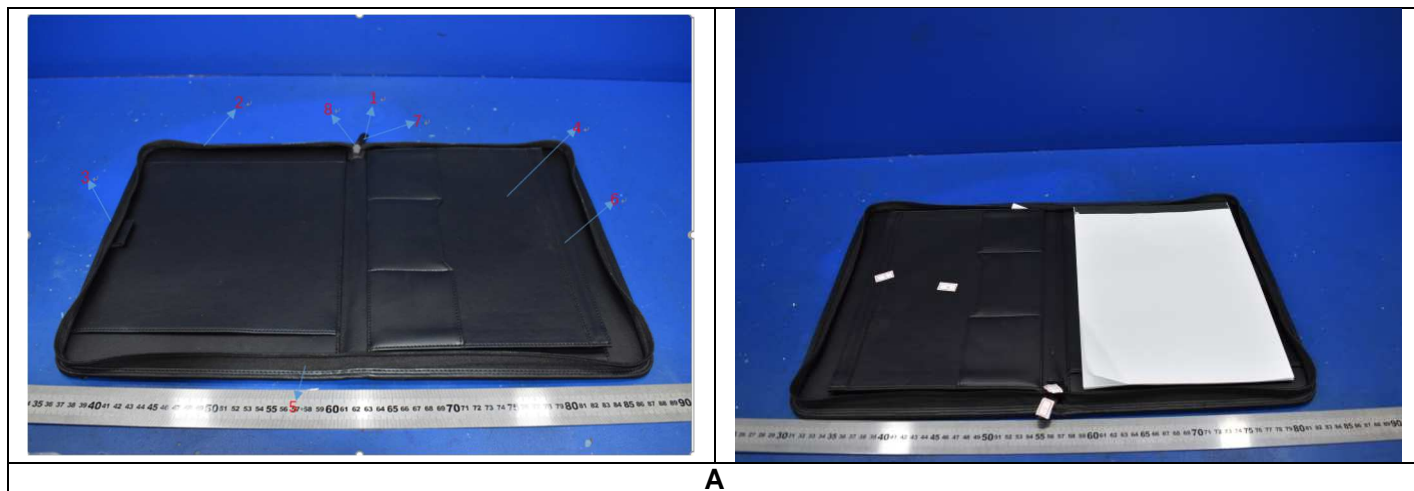
Eurofins (Shanghai) contact information**Customer service:** YukikoGao@eurofins.com/ +86 216 1819 181**Sales specialist:** AmyXu@eurofins.com \+86 216 1819 181

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
Eurofins Product Testing Service (Shanghai) Co., Ltd

Joyce Liu
Lab Manager

SAMPLE PHOTO(S)



EFSH21062425-CG-01

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	Black coating on metal	A
2	White plastic (zipper teeth)	A
3	Black PU	A
4	Frosted black PU (Inside)	A
5	Black fabric (zipper tape)	A
6	Black threads	A
7	Sliver metal excluding coating (zipper slider)	A
8	Sliver metal excluding coating (zipper puller)	A

TO BE CONTINUED

TEST RESULT

Total Cadmium Content

Test Request: Total cadmium content as specified in Commission Regulation (EU) 2016/217 amending entry 23 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EPA 3050B:1996, EPA 3052:1996, EN 1122:2001 Method B, acid digestion method was used and total cadmium content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result			
				1	2	3+4	5
Total Cadmium	mg/kg	100	5	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result
				7+8
Total Cadmium	mg/kg	100	5	ND

Remark:

As per client's request, only the appointed materials have been tested.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Total Lead Content

Test Request: Total lead content as specified in entry 63 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 2015/628.

Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996
 Acid digestion/ microwave digestion method was used and total lead content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result			
				1	2	3+4	5
Total Lead	mg/kg	500	10	19	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result
				7+8
Total Lead	mg/kg	500	10	ND

Remark:

As per client's request, only the appointed materials have been tested.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Phthalates Content

Test Request: Phthalates content as specified in entry 51&52 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) 2018/2005.

Test Method: EPA 3550C:2007, EPA 8270E:2018, solvent extraction and quantification by GC-MS.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					1	2	3+4
Dibutyl phthalate (DBP)	84-74-2	%	-	0.005	ND	ND	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND	ND	ND
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND	ND	0.048
Diisobutyl phthalate (DIBP)	84-69-5	%	-	0.005	ND	ND	ND
Sum of (DEHP+DBP+BBP+DIBP)	-	%	0.1	-	ND	ND	0.048
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND	ND	ND
Sum of (DNOP + DINP + DIDP)	-	%	0.1	-	ND	ND	ND

Remarks:

As per client's request, only the appointed materials have been tested.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

MDL = method detection limit

ND = Not detected, less than MDL

"-" = Not Regulated

TO BE CONTINUED

TEST RESULT

Banned AZO Dyes

Test Request: Banned AZO dyes as specified in entry 43 of annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EN ISO 14362-1:2017

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					3+4	5	6
4-methyl-m-phenylenediamine	95-80-7	mg/kg	30	5	ND	ND	ND
4-Amino-azobenzene (Note 2)	60-09-3	mg/kg	30	5	ND	ND	14
2-Naphthylamine	91-59-8	mg/kg	30	5	ND	ND	ND
4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	30	5	ND	ND	ND
Bis-(4-aminophenyl)methane	101-77-9	mg/kg	30	5	ND	ND	ND
4,4'-Oxydianiline	101-80-4	mg/kg	30	5	ND	ND	ND
4,4'-Thiodianiline	139-65-1	mg/kg	30	5	ND	ND	ND
Benzidine	92-87-5	mg/kg	30	5	ND	ND	ND
o-Toluidine	95-53-4	mg/kg	30	5	ND	ND	ND
5-Nitro-o-toluidine (Note 1)	99-55-8	mg/kg	30	5	ND	ND	ND
4-methoxy-m-phenylenediamine	615-05-4	mg/kg	30	5	ND	ND	ND
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	mg/kg	30	5	ND	ND	ND
o-Aminoazotoluene (Note 1)	97-56-3	mg/kg	30	5	ND	ND	ND
2,4,5-Trimethylaniline	137-17-7	mg/kg	30	5	ND	ND	ND
4-Aminobiphenyl	92-67-1	mg/kg	30	5	ND	ND	ND
o-Anisidine	90-04-0	mg/kg	30	5	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	mg/kg	30	5	ND	ND	ND
4-Chloroaniline	106-47-8	mg/kg	30	5	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	30	5	ND	ND	ND
n.d.3,3'-Dimethybenzidine	119-93-7	mg/kg	30	5	ND	ND	ND
2-Methoxy-5-methylaniline	120-71-8	mg/kg	30	5	ND	ND	ND
4-Chloro-2-methylaniline	95-69-2	mg/kg	30	5	ND	ND	ND

Remarks:

As per client's request, only the appointed materials have been tested.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

Note 1: The CAS-numbers 97-56-3 and 99-55-8 are further reduced to CAS-numbers 95-53-4 and 95-80-7.

Note 2: 4-Amino-azobenzene(CAS No.:60-09-3) is reduced to aniline and 1,4-phenylenediamine.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Colour Fastness to Rubbing

ISO 105-X12:2016

	3	4	5	6	Client's Requirement
Lengthwise					
Dry	4-5	4-5	4-5	4-5	Grade 2-3
Wet	4-5	3	4-5	4-5	Grade 2-3
Widthwise					
Dry	4-5	4-5	-	-	Grade 2-3
Wet	4-5	3	-	-	Grade 2-3

Remark:

Grey Scale for Assessing Colour Change/Staining

Grade 5 negligible or no change or staining

Grade 4 slightly changed or stained

Grade 3 noticeably changed or stained

Grade 2 considerably changed or stained

Grade 1 much changed or stained

END OF THE REPORT