



TEST REPORT

Report No. : WTF22F12245083C

Applicant : Mid Ocean Brands B.V.

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

Manufacturer : 111033

Sample Name : Refer to next page (s)

Sample Model : Refer to next page (s)

Test Requested : 1) 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
2) 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).
3) 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 : 2022-02-28

Testing period : 2022-02-28 to 2023-03-10

Date of Issue : 2023-03-10

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.

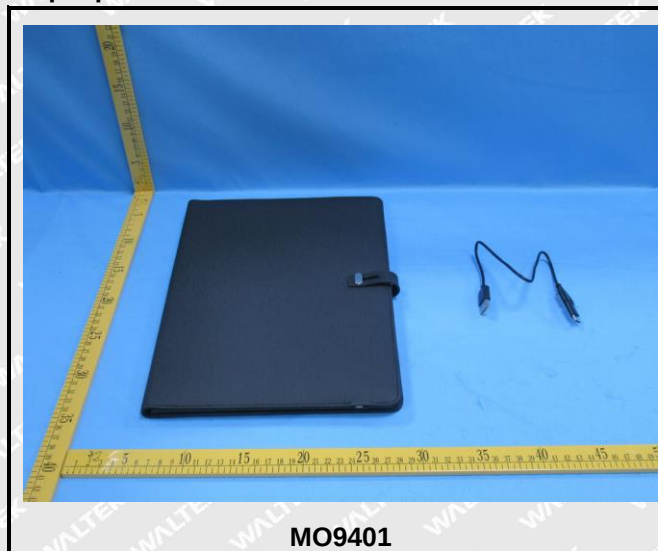
Swing.Liang



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Specimen No.	Specimen Description	Sample Name	Sample Model
1	Black leather	A4 portfolio with power charging	MO9401
2	Black elastic band		
3	Black elastic band		
5	Black fibrous fabric		
9	Black fibrous fabric		
14	Black plastic hook(VELCRO)		

Sample photo:





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Test Results:

1) Phthalates

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

Test Items	LOQ (%)	Results (%)			Limit (%)
		No.2	No.3	No.14	
Benzyl butyl phthalate (BBP)	0.005	ND	ND	ND	sum of four phthalates < 0.1
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	ND	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.



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2) 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.3
1	4-Aminobiphenyl	92-67-1	30	ND	ND	ND
2	Benzidine	92-87-5	30	ND	ND	ND
3	4-chloro-o-Toluidine	95-69-2	30	ND	ND	ND
4	2-Naphthylamine	91-59-8	30	ND	ND	ND
5	o-Aminoazotoluene	97-56-3	30	ND	ND	ND
6	2-Amino-4-nitrotoluene	99-55-8	30	ND	ND	ND
7	p-Chloroaniline	106-47-8	30	ND	ND	ND
8	2,4-diaminoanisole	615-05-4	30	ND	ND	ND
9	4,4'-Diaminodiphenylmethane	101-77-9	30	ND	ND	ND
10	3,3'-Dichlorobenzidine	91-94-1	30	ND	ND	ND
11	3,3'-Dimethoxybenzidine	119-90-4	30	ND	ND	ND
12	3,3'-Dimethylbenzidine	119-93-7	30	ND	ND	ND
13	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	30	ND	ND	ND
14	p-cresinin	120-71-8	30	ND	ND	ND
15	4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	30	ND	ND	ND
16	4,4'-Oxydianiline	101-80-4	30	ND	ND	ND
17	4,4'-Thiodianiline	139-65-1	30	ND	ND	ND
18	o-Toluidine	95-53-4	30	ND	ND	ND
19	2,4-Toluyldiamine	95-80-7	30	ND	ND	ND
20	2,4,5 – Trimethylaniline	137-17-7	30	ND	ND	ND
21	o-anisidine	90-04-0	30	ND	ND	ND
22	4-aminoazobenzene	60-09-3	30	ND	ND	ND
23	2,4-Xylidin	95-68-1	30	ND	ND	ND
24	2,6-Xylidin	87-62-7	30	ND	ND	ND
Conclusion		--	--	Pass	Pass	Pass



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



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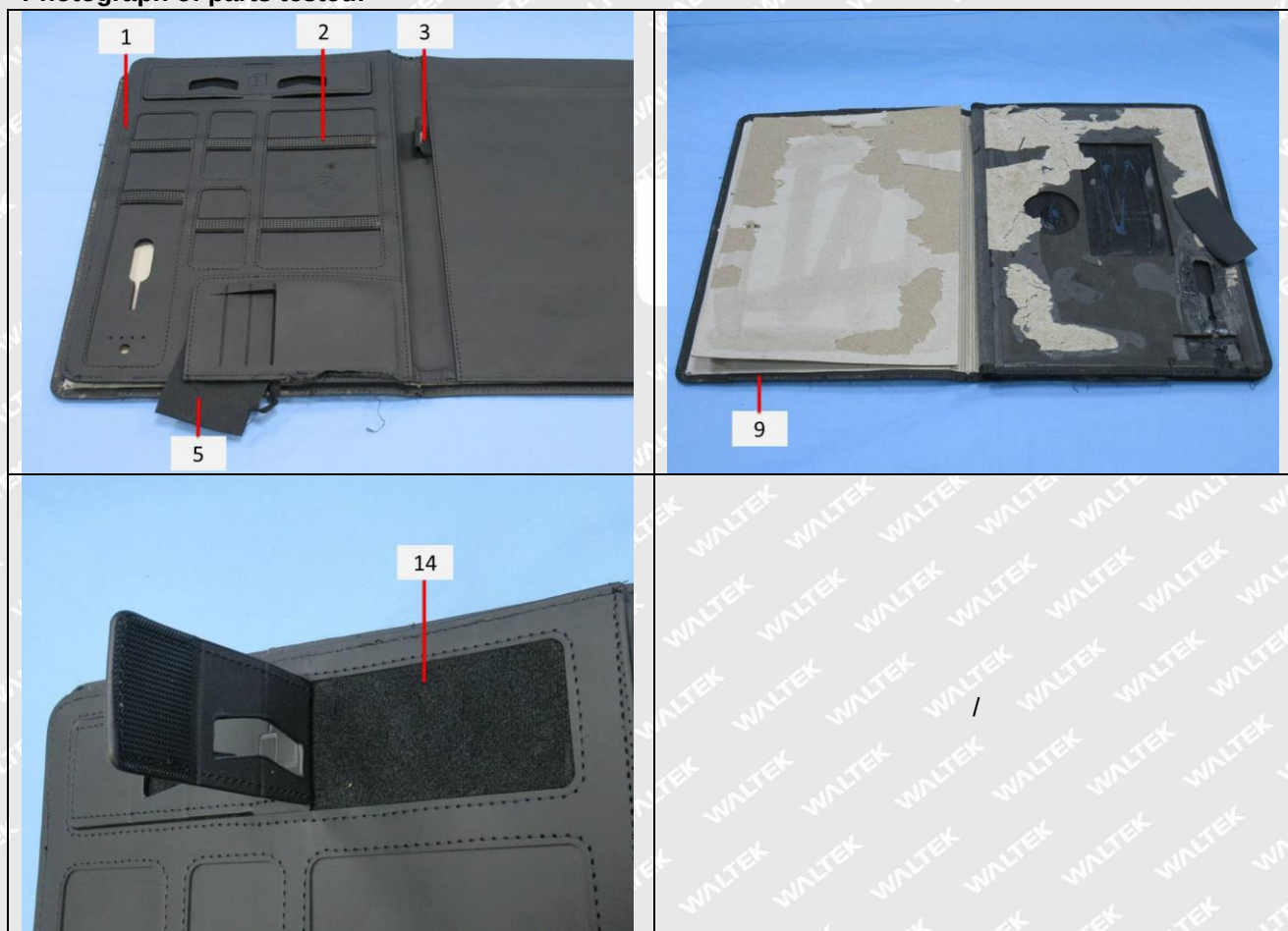
3) Colour Fastness to Rubbing

Colour Fastness to Rubbing					
(ISO 105-X12: 2016; Size of rubbing finger: 16mm diameter.)					
		No.2	No.3	No.9	Client's Limit
Length	Dry staining	4-5	4-5	3-4	2-3
	Wet staining	4-5	4-5	3-4	2-3
Width	Dry staining	--	--	--	2-3
	Wet staining	--	--	--	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.

Photograph of parts tested:





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Remarks:

1. The results shown in this test report refer only to the sample(s) tested;
2. This test report cannot be reproduced, except in full, without prior written permission of the company;
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6. The sample material information (Model No. information) is provided by client, not verified by test laboratory. The samples of reference Model No. are not tested. Test laboratory not responsible for the accuracy, appropriateness, completeness and authenticity of the information provided by client.

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

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