



中国认可  
国际互认  
检测  
TESTING  
CNAS L6478



# TEST REPORT

**Reference No.**..... : WTF16F0653785C

**Applicant**..... : Mid Ocean Hong Kong Ltd.

**Manufacturer** ..... : Mid Ocean Hong Kong Ltd.

**Sample Name** ..... : Car Organizer

**Model No.**..... : MO8880-03

**Test Requested** ..... : 1) Phthalates content requirement in Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009  
2) Determination of Cadmium content in the submitted sample in accordance with REACH regulation Annex XVII Item 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011 and No. 835/2012  
3) As requested by client, according to the Entries 43 in Annex XVII of the REACH Regulation (EC) No.1907/2006 and the Amendment Regulation (EC) No.552/2009 & Regulation (EU) No.276/2010, to determine the specified AZO Colorants contents in the submitted samples

**Test method**..... : Please refer to next page (s)

**Test Conclusion** ..... : **Pass** (Please refer to next pages for details)

**Date of Receipt sample** ..... : 2016-06-21

**Date of Test**..... : 2016-06-21 to 2016-06-24

**Date of Issue**..... : 2016-07-04

**Test Result**..... : Please refer to next page (s)

**Remarks:**

The results shown in this test report refer only to the sample(s) tested; this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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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	BBP	DBP	DEHP	DIDP	DINP	DNOP	--
MDL (%)	0.005	0.005	0.005	0.01	0.01	0.005	--
Limit (%)	sum of three phthalates < 0.1			sum of three phthalates < 0.1			--
Specimen No.	Result (%)						Conclusion
No.1	ND	ND	0.007	ND	ND	ND	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

(1) % = percentage by weight

(2) ND = Not detected or Less than the method detection limit

(3) MDL=Method Detection Limit

(4) "&lt;" = less than

(5) The above limit was quoted according to Annex XVII Items 51 &amp; 52 of the REACH Regulation (EC) No. 1907/2006 &amp; Amendment No. 552/2009 for phthalate content in toys and child care articles.

**2) Cadmium**

Test Method: With reference to BS EN1122: 2001 Plastics – Determination of cadmium – Wet decomposition method, analysis was performed by Inductively Coupled Plasma- Optical Emission Spectrometer.

Test Item	MDL (mg/kg)	Results (mg/kg)
		No.1
Cadmium(Cd)	2	ND
<b>Conclusion</b>	--	<b>Pass</b>

**Note:**

(1) mg/kg = milligram per kilogram

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

(3) MDL = Method Detection Limit

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

(5)The result of Cadmium was quoted from the report No. WTF16F0653782C.





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

### 3) AZO dyes

Test Method: with reference to EN 14362-1: 2012 and EN 14362-3: 2012, analysis was performed by Gas Chromatographic Mass Spectrometry (GC-MS)

No.	Amines Substances	CAS No.	Limit (mg/kg)	Result (mg/kg)
				No.1
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
<b>Conclusion</b>		--	--	<b>Pass</b>

**Note:**

- ND = Not detected or less than the method detection limit

- mg/kg=milligram per kilogram

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- Method Detection Limit (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.
- The result of AZO was quoted from the report No. WTF16F0653784C.

**Specimen Description:**

No.1: Black fibrous cloth



**WALTEK**



**Sample photo(s):**



**Picture(s) of test component(s):**



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