

TEST REPORT

Report No.		
Applicant		
Address		
Manufacturer		
Sample Name	<u></u>	
Sample Model		
Test Requested	de la la compañía de	

 Test Conclusion
 :

 Date of Receipt sample
 :

 Testing period
 :

 Date of Issue
 :

 Test Result
 :

 Note
 :

WTF22F11233675A1C

Mid Ocean Brands B.V.

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

111268 Refer to next page (s)

Refer to next page (s)

- Determination of Lead content in the submitted sample in accordance with REACH regulation Annex XVII Entries 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628
- Determination of Cadmium content in the submitted sample in accordance with REACH regulation Annex XVII Entries 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011, No. 835/2012 and (EU) 2016/217
- 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
- 4) 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).
- 5) As requested by the applicant, to test Colour Fastness to Rubbing in the submitted sample.

Refer to next page (s)

2022-11-21 & 2022-12-19

2022-11-21 to 2022-12-23

2022-12-28

Refer to next page (s)

As specified by client, only test the designated sample.

Prepared By:

Waltek Testing Group (Foshan) Co., Ltd.

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Signed for and on behalf of Waltek Testing Group (Foshan) Co., Ltd.

Swing Liang

Swing.Lian

Waltek Testing Group (Foshan) Co., Ltd. http://www.waltek.com.cn

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Specimen No.	Specimen Description	Sample Name	Sample Mode	
whit tout a	Black main fabric	ALTER MUTER MALTER MALTE	when when y	
5 th 25 th 5	Blue main fabric		whet while in	
3	Black webbing		an an an	
50°4 50°	Black plastic rim		LIER WALTER WALL	
5	Blue drawstring		et set stet	
6	Black plastic handle		when she	
white Zour of	Black plastic shell		WALTER WALTE W	
A 8 5	Black zipper fabric		let stat is	
9	Black plastic zipper tooth	Sports or travelling bag	KC5078	
10	Silvery metal zipper head with black coating		JEX WALLEY WALLE	
5°11 5°	Black plastic loop(VELCRO)		A what minet	
12	Black plastic hook(VELCRO)		with the	
13	Black plastic buckle	Black plastic buckle		
14	Black fabric rim		Tet stret with	
15	Silvery metal screw		and the second	
16	Black plastic plate		WALTER WALTE	
17 Joh	Black drawstring		Tet Stet	
18	Black soft plastic part	MALTE MALTE MALL MAL	Mr. Mr. 3	
19	Black plastic film		INLIER WALTER WAY	
20	Black fabric rim		10 10 5	
21	Grey zipper fabric		or when when	
22	Grey plastic zipper tooth		A INTER WALTER	
-23	Black webbing with grey sewing thread	Sports bag	MO8576	
24	Dark blue fabric rim		What we want	
25	Blue plastic zipper tooth		NUTER WALTER WAL	
26	Blue zipper fabric		et set set	
27	Black webbing with blue sewing thread		t at at	
28	Light blue main fabric		men men a	

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Specimen No.	Specimen No. Specimen Description		Sample Model
29	Black soft plastic handle	wifet intret white wh	in multi water w
30	Silvery metal zipper head		t with milet mit
31	Light blue main fabric		NOT SHE SHE
32	Silvery metal rivet	the state of the second second	MODDO
33	Light grey main fabric	Document bag	MO8332
34	White lining		st when when a
35	Blue lining		EL WALTER WALTE WA
36	Black lining		at set at
	a at the star	Document bag	IT2074



Sample photo:





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Test Results:

1) Lead (Pb)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	LOQ	L AF	Limit		
	(mg/kg)	No.1+No.2 +No.28	No.3	No.4	(mg/kg)
Lead(Pb)	· 2 5	ND*	ND	50	500
Conclusion	m m	Pass	Pass	Pass	Service N

Test Item	LOQ	t ster ster	Results (mg/kg)	me me	Limit
	(mg/kg)	No.5+No.17	No.6+No.7	No.8	(mg/kg)
Lead(Pb)	+ 2 5	ND*	ND*	ND	500
Conclusion	24 - 24	Pass	Pass	Pass	AN JAN J

Test Item	LOQ		Limit		
	(mg/kg)	No.9	No.10	No.11+No.12	(mg/kg)
Lead(Pb)	2	ND	48	ND*	500
Conclusion		Pass	Pass	Pass	ST SPIT

Test Item	LOQ	THE STREET AN	Results (mg/kg)	- me m	Limit
	(mg/kg)	No.13	No.14	No.15	(mg/kg)
Lead(Pb)	- 2- <	ND ND	ND ND	ND	500
Conclusion	an - an	Pass	Pass	Pass	When Burn

Test Item (I	LOQ		Limit		
	(mg/kg)	No.16	No.18	No.19	(mg/kg)
Lead(Pb)	2	ND	ND	ND	500
Conclusion	24. 24	Pass	Pass	Pass	men

Test Item	LOQ	SUTEK MALTE	Results (mg/kg)	me me	Limit
	(mg/kg)	No.20+No.24	No.21+No.25	No.22+No.26	(mg/kg)
Lead(Pb)	2	ND*	ND*	ND*	500
Conclusion	m. n	Pass	Pass	Pass	white white



Test Item	LOQ	Results (mg/kg)		Limit	
	(mg/kg)	No.23+No.27	No.29	No.30	(mg/kg)
Lead(Pb)	2 M	ND*	ND	55	500
Conclusion	d _dd	Pass	Pass	Pass	L - A

Test Item	LOQ	R	esults (mg/kg))et .5th .5	Limit
	(mg/kg)	No.31+No.33	No.32	No.34+No.35 +No.36	(mg/kg)
Lead(Pb)	2	ND*	ND	ND*	500
Conclusion	white white	Pass	Pass	Pass	JEt - JEt

Note:

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than LOQ)
- (3) LOQ = Limit of quantitation
- (4) Limit of Lead was quoted from REACH regulation Annex XVII Item 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628.
- (5) "*" = Results are calculated by the minimum weight of mixed components.
- (6) The test sample of specimen No.18 and No.29 are received on the date of 2022-11-21.



2) Cadmium (Cd)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	LOQ	me me	Results (mg/kg)	
	(mg/kg)	No.1+No.2+No.28	No.3	No.4
Cadmium(Cd)	2	ND*	ND	S ND S
Conclusion	s - st	Pass	Pass	Pass

to a film of the second	LOQ		Results (mg/kg)			
Test Item	(mg/kg)	No.5+No.17	' No.6+No.7 No.8			
Cadmium(Cd)	2	ND*	ND*	ND ST		
Conclusion	1 1.t-	Pass	Pass	Pass		

Test Item	LOQ	Results (mg/kg)					
	(mg/kg)	No.9	No.10	No.11+No.12			
Cadmium(Cd)	2	ND ND		ND*			
Conclusion	a de de	Pass	Pass	Pass			

Test Item	LOQ		Results (mg/kg)	
	(mg/kg)	No.14	No.16	No.18
Cadmium(Cd)	2	ND	ND	ND
Conclusion	1 # A	Pass	Pass	Pass

Test Item	LOQ		Results (mg/kg)	
	(mg/kg)	No.19	No.20+No.24	No.21+No.25
Cadmium(Cd)	2	ND	ND*	ND*
Conclusion	1 + 1	Pass	Pass	Pass

Test Item	LOQ	mr. w. w.	Results (mg/kg)	
	(mg/kg)	No.22+No.26	No.23+No.27	No.29
Cadmium(Cd)	2	ND*	ND*	ND S
Conclusion	1 - 1+	Pass	Pass	Pass



Test Item	LOQ	Resul	ts (mg/kg)
	(mg/kg)	No.31+No.33	No.34+No.35+No.36
Cadmium(Cd)	2	ND*	ND*
Conclusion		Pass	Pass

Note:

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than LOQ)
- (3) LOQ = Limit of quantitation

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

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

(5) "*" = Results are calculated by the minimum weight of mixed components.

(6) The test sample of specimen No.18 and No.29 are received on the date of 2022-11-21.



3) Phthalates

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

Test Items	LOQ	t ret r	Results (%)	NUTEX WALT	Limit
	(%)	No.6+No.7	No.13	No.16	(%)
Benzyl butyl phthalate (BBP)	0.005	ND*	ND S	ND	The me a
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	ND*	ND	ND	sum of four
Dibutyl phthalate (DBP)	0.005	ND*	ND	ND	phthalates < 0.1
Diisobutyl phthalate (DIBP)	0.005	ND*	ND	ND SP	when when
Diisodecyl phthalate (DIDP)	0.01	ND*	ND	S ND S	Intret MALTER
Diisononyl phthalate (DINP)	0.01	ND*	ND	ND	sum of three phthalates < 0.1
Di-n-octyl phthalate (DNOP)	0.005	ND*	ND S	ND	
Conclusion	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Pass	Pass	Pass	at 14 5

Test Items	LOQ	JANE MA	Results (%)	WALTER WALT	Limit
	(%)	No.18	No.19	No.29	(%)
Benzyl butyl phthalate (BBP)	0.005	ND	ND	ND	the state of
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	ND ST	on ND on	ND	sum of four
Dibutyl phthalate (DBP)	0.005	ND	S ND S	ND S	phthalates < 0.1
Diisobutyl phthalate (DIBP)	0.005	ND S	ND	ND	y the set
Diisodecyl phthalate (DIDP)	0.01	ND	ND	ND	mu m
Diisononyl phthalate (DINP)	0.01	ND	ND	ND T	sum of three phthalates < 0.1
Di-n-octyl phthalate (DNOP)	0.005	ND	ND ND	ND	
Conclusion		Pass	Pass	Pass	set me som

Note:

DBP= Dibutyl phthalate DINP= Di-isononyl phthalate DIBP= Diisobutyl phthalate BBP= Benzyl butyl phthalate DNOP= Di-n-octyl phthalate DEHP= Bis-(2-ethylhexyl)- phthalate DIDP= Di-isodecyl 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.
- (6) "*" = Results are calculated by the minimum weight of mixed components.
- (6) The test sample of specimen No.18 and No.29 are received on the date of 2022-12-19.





4) 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.	Aminos Substances	CAS No.	Limit 🧹	Result (mg/kg)
NO.	Amines Substances	CAS NO.	(mg/kg)	No.1+No.2+No.28
1.	4-Aminobiphenyl	92-67-1	30	ND*
2	Benzidine	92-87-5	30	ND*
3	4-chloro-o-Toluidine	95-69-2	<u>30</u>	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*
<u>_7</u>	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*
	Conclusion	5 <u>5</u> 5		Pass



ر ا	Amines Substances		Limit	Resu	lt (mg/kg)
No.	Amines Substances	CAS No.	(mg/kg)	No.3	No.5+No.17
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 4	ND*
5	o-Aminoazotoluene	97-56-3	30	ND	ND*
6	2-Amino-4-nitrotoluene	99-55-8	30	M ND M	ND*
7	p-Chloroaniline	106-47-8	30	ND S	ND*
8	2,4-diaminoanisol	615-05-4	30	ND	ND*
9,5	4,4'-Diaminodiphenylmethane	101-77-9	30	o ND	ND*
10	3,3'-Dichlorobenzidine	91-94-1	30 30	ND	ND*
11	3,3'-Dimethoxybenzidine	119-90-4	30	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 S	ND*
14	p-cresinin	120-71-8	30	ND	ND*
15	4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	30	Set ND Set	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-Toluylendiamine	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*
N.C.	Conclusion	05-	S 5	Pass	Pass V



	Aminos Cubatanas	CACNE	Limit	Result (mg/kg)		
No.	Amines Substances	CAS No.	(mg/kg)	No.19	No.31+No.33	
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 4	ND*	
5	o-Aminoazotoluene	97-56-3	30	ND	ND*	
6	2-Amino-4-nitrotoluene	99-55-8	30	JAND JA	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	at ND at	ND*	
10	3,3'-Dichlorobenzidine	91-94-1	J 30 J	ND	ND*	
11	3,3'-Dimethoxybenzidine	119-90-4	30	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*	
14	p-cresinin	120-71-8	30	ND	ND*	
15	4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	30	ND S	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-Toluylendiamine	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 S	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 30	ND	ND*	
NUL	Conclusion	15-	St	Pass	Pass	



No.	Amines Substances	CAS No.	Limit	Result (mg/kg)		
			(mg/kg)	No.34+No.35+No.36		
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	d 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*		
150	Conclusion		S- 50	Pass S		

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 "*" = Results are calculated by the minimum weight of mixed components.



5) Colour Fastness to Rubbing

Colour Fastne	ess to Rubbing	*	1 1	·	and an	r. mr	m. n
(ISO 105-X12:	2016; Size of rubbir	ng finger: 16	omm diame	ter.)		d At	at to
when when	m. m.	No.1	No.2	No.3	No.19	No. 28	Client's Limit
Longth	Dry staining	4-5	4-5	A-5 🖑	4-5	4-5	2-3
Length	Wet staining	4-5	4-5	4-5	4-5	4-5	2-3
\\/;dtb	Dry staining	4-5	4-5	4-5	4-5	a ⁶ 4-5 🔊	2-3
Width	Wet staining	4-5	€ 4-5 v ¹	4-5	4-5	4-5	2-3
Conclusion		Pass	Pass	Pass	Pass	Pass	mr - m

Colour Fastness to Rubbing

(ISO 105-X12:	2016; Size of rubbing	g finger: 16	omm diame	ter.)	1 1	t st	Alt Set
me m	20 10	No.31	No.33	No.34	No.35	No.36	Client's Limit
t an att	Dry staining	4-5	4-5	4-5	4-5	4-5	2-3
Length	Wet staining	4-5	4-5	4-5	4-5	4-5	2-3
	Dry staining	4-5	4-5	4-5	4-5	4-5	2-3
Width	Wet staining	<u>_</u> 4-5 _	4-5	4-5	4-5	4-5	2-3
Conclusion	i i i	Pass	Pass	Pass	Pass	Pass	20 - 20

Note:

- (1) Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.
- (2) "*" = Results are calculated by the minimum weight of mixed components.

Photograph of parts tested:





0.04110

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Report No.: WTF22F11233675A1C





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