



CIRS

C&K
C&K Testing

Test Report

Report No.: TS20071712



Verify authenticity

Applicant

MID OCEAN BRANDS B.V.

Address

**WELLENSIEKSTRAAT 2 6718 XZ EDE THE
NETHERLANDS**

Report Date

2020-08-24

Hangzhou C&K Testing Technic Co., Ltd.



Hangzhou C&K Testing Technic Co., Ltd

Add:1/F,No.4 Building, Huaye Hi-Tech Industrial Park, No.1180, Bin'an Road, Binjiang District, Hangzhou 310052, China

Hotline:4006-721-723 Tel:+86 571-8720 6535 Fax:+86 571-8990 0719 E-mail:test@cirs-group.com Website:www.cirs-ck.com



Test Report

Applicant	MID OCEAN BRANDS B.V.
Address	WELLENSIEKSTRAAT 2 6718 XZ EDE THE NETHERLANDS
Sample Name	trolley case
Type/ Model	/
Material/Colour	/
Other Info.	/
Sample Received Date	2020-07-28
Test Period	2020-07-28~ 2020-08-24
Test Requirement	Referring to the Annex XVII of Regulation (EC) No 1907/2006

Test Item(s)	Test Result(s)
Lead(Pb), Cadmium (Cd) Content	Pass
Nickel Release	Pass
Phthalates Content	Pass
Azo Dyes Content	Pass

Prepared by:

Beta Xu

Reviewed by:

Li Xuefeng

Accredited

Signatory by:

Li Chenghai

Beta Xu

Li Xuefeng

Li Changhai

Issue date: 2020-08-24

Test Component(s):

No.	Sample Serial No.	Test Component(s)	Type/Model	Material/Colour	Other Info.
001	TS20071712001	metal trademark+ metal zipper head 1+ metal zipper head 2+ rivet	/	/	/
002	TS20071712002	pull rod-metal bar 1+ black metal rod	/	/	/
003	TS20071712003	case shell+ black plastic on carrying handle+ silver plastic on carrying handle+ black rubber on carrying handle	/	/	/
004	TS20071712004	wheel-1+ wheel-2+ wheel-tire+ wheel-hub	/	/	/
005	TS20071712005	black plastic on pull rod+ plastic button on pull rod+ plastic base+ plastic clip	/	/	/
006	TS20071712006	lock-1+ lock-2+ black plastic zipper teeth+ grey zipper teeth	/	/	/
007	TS20071712007	black rubber strip+ elastic band+ sponge	/	/	/
008	TS20071712008	black zipper cloth+ screen cloth+ sponge	/	/	/
009	TS20071712009	metal trademark	/	/	/
010	TS20071712010	metal zipper head 1	/	/	/
011	TS20071712011	pull rod-metal bar 1	/	/	/
012	TS20071712012	metal zipper head 2	/	/	/
013	TS20071712013	rivet	/	/	/

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Photo(s):



TS20071712001 (Mixed)



TS20071712002 (Mixed)



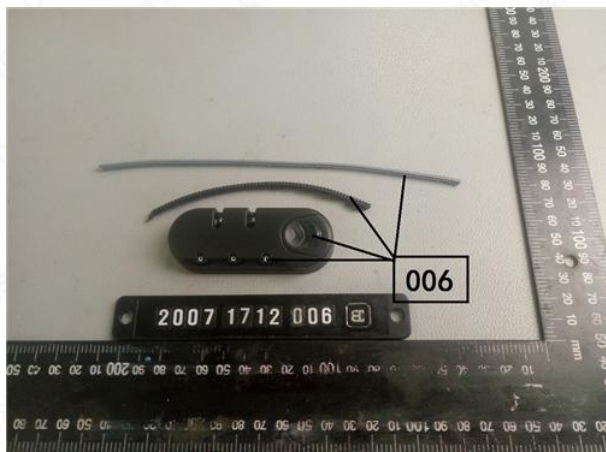
TS20071712003 (Mixed)



TS20071712004 (Mixed)



TS20071712005 (Mixed)



TS20071712006 (Mixed)



TS20071712007 (Mixed)



TS20071712008 (Mixed)



TS20071712009



TS20071712010



TS20071712011



TS20071712012



TS20071712013



Overview 1



Overview 2

Test Result(s):
Lead(Pb), Cadmium (Cd) Content

Test Item(s)	Test Method	Requirement	MDL	Unit	Test Result(s)	
					001	002
Lead (Pb)	EPA 3050B:1996; EPA 6010D:2018	<500	5	mg/kg	N.D.	N.D.
Cadmium (Cd)	EPA 3050B:1996; EPA 6010D:2018	<100	5	mg/kg	N.D.	N.D.

Remarks:

1. MDL = Method Detection Limit; N.D. = Not detected (<MDL)

Nickel Release

Test Method: EN 12472: 2005+ A1: 2009, EN 1811: 2011+A1: 2015

Replicate No.	Test Item(s)	Requirement ($\mu\text{g}/\text{cm}^2/\text{week}$)	Sample Area (cm^2)	Volume of Test Solution (mL)	Nickel Release ($\mu\text{g}/\text{cm}^2/\text{week}$)	Nickel Release Average ($\mu\text{g}/\text{cm}^2/\text{week}$)
009-A	Nickel Release	≤ 0.5	20.42	25.0	<0.1	<0.1
009-B			20.42	25.0	<0.1	
009-C			20.42	25.0	<0.1	

Replicate No.	Test Item(s)	Requirement ($\mu\text{g}/\text{cm}^2/\text{week}$)	Sample Area (cm^2)	Volume of Test Solution (mL)	Nickel Release ($\mu\text{g}/\text{cm}^2/\text{week}$)	Nickel Release Average ($\mu\text{g}/\text{cm}^2/\text{week}$)
010-A	Nickel Release	≤ 0.5	15.76	25.0	<0.1	<0.1
010-B			15.76	25.0	<0.1	
010-C			15.76	25.0	<0.1	

Replicate No.	Test Item(s)	Requirement ($\mu\text{g}/\text{cm}^2/\text{week}$)	Sample Area (cm^2)	Volume of Test Solution (mL)	Nickel Release ($\mu\text{g}/\text{cm}^2/\text{week}$)	Nickel Release Average ($\mu\text{g}/\text{cm}^2/\text{week}$)
011-A	Nickel Release	≤ 0.5	12.5	25.0	<0.1	<0.1
011-B			12.5	25.0	<0.1	
011-C			12.5	25.0	<0.1	

Nickel Release

Test Method: EN 12472: 2005+ A1: 2009, EN 1811: 2011+A1: 2015

Replicate No.	Test Item(s)	Requirement ($\mu\text{g}/\text{cm}^2/\text{week}$)	Sample Area (cm^2)	Volume of Test Solution (mL)	Nickel Release ($\mu\text{g}/\text{cm}^2/\text{week}$)	Nickel Release Average ($\mu\text{g}/\text{cm}^2/\text{week}$)
012-A	Nickel Release	≤ 0.5	5.88	10.0	<0.1	<0.1
012-B			5.88	10.0	<0.1	
012-C			5.88	10.0	<0.1	

Replicate No.	Test Item(s)	Requirement ($\mu\text{g}/\text{cm}^2/\text{week}$)	Sample Area (cm^2)	Volume of Test Solution (mL)	Nickel Release ($\mu\text{g}/\text{cm}^2/\text{week}$)	Nickel Release Average ($\mu\text{g}/\text{cm}^2/\text{week}$)
013-A	Nickel Release	≤ 0.5	3.45	5.0	<0.1	<0.1
013-B			3.45	5.0	<0.1	
013-C			3.45	5.0	<0.1	

Phthalates Content

Test Item(s)	Test Method	Requirement	MDL	Unit	Test Result(s)		
					003	004	005
Butylbenzylphthalate (BBP)	EN 14372:2004	/	10	mg/kg	N.D.	N.D.	N.D.
Di- (2-ethylhexyl) -phthalate (DEHP)	EN 14372:2004	/	10	mg/kg	18	19	33
Dibutylphthalate (DBP)	EN 14372:2004	/	10	mg/kg	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	Refer to EN 14372:2004	/	10	mg/kg	N.D.	N.D.	N.D.
DEHP+DBP+BBP+DIBP	/	<1000	40	mg/kg	N.D.	N.D.	N.D.
Di-iso-decylphthalate (DIDP)	EN 14372:2004	/	50	mg/kg	N.D.	N.D.	N.D.
Di-iso-nonylphthalate (DINP)	EN 14372:2004	/	50	mg/kg	N.D.	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	EN 14372:2004	/	10	mg/kg	N.D.	N.D.	N.D.
DIDP+DINP+DNOP	/	<1000	110	mg/kg	N.D.	N.D.	N.D.

Test Item(s)	Test Method	Requirement	MDL	Unit	Test Result(s)	
					006	007
Butylbenzylphthalate (BBP)	EN 14372:2004	/	10	mg/kg	N.D.	N.D.
Di- (2-ethylhexyl) -phthalate (DEHP)	EN 14372:2004	/	10	mg/kg	25	222
Dibutylphthalate (DBP)	EN 14372:2004	/	10	mg/kg	N.D.	20
Diisobutyl phthalate (DIBP)	Refer to EN 14372:2004	/	10	mg/kg	N.D.	N.D.
DEHP+DBP+BBP+DIBP	/	<1000	40	mg/kg	N.D.	242
Di-iso-decylphthalate (DIDP)	EN 14372:2004	/	50	mg/kg	N.D.	N.D.
Di-iso-nonylphthalate (DINP)	EN 14372:2004	/	50	mg/kg	N.D.	N.D.
Di-n-octyl phthalate (DNOP)	EN 14372:2004	/	10	mg/kg	N.D.	N.D.
DIDP+DINP+DNOP	/	<1000	110	mg/kg	N.D.	N.D.

Remarks:

1. MDL = Method Detection Limit; N.D. = Not detected (<MDL)

Azo Dyes Content

Test Method: ISO 14362-1:2017

Test Item(s)	CAS No.	Requirement	MDL	Unit	Test Result(s)
					008
2,4,5-Trimethylaniline	137-17-7	≤ 30	5	mg/kg	N.D.
2,4-Diaminoanisole	615-05-4	≤ 30	5	mg/kg	N.D.
2,4-Toluylenediamine	95-80-7	≤ 30	5	mg/kg	N.D.
P-cresidine	120-71-8	≤ 30	5	mg/kg	N.D.
2-Naphthylamine	91-59-8	≤ 30	5	mg/kg	N.D.
4,4'-Methylenedi-O-Toluidine	838-88-0	≤ 30	5	mg/kg	N.D.
3,3'-Dimethylbenzidine	119-93-7	≤ 30	5	mg/kg	N.D.
3,3'-Dimethoxybenzidine	119-90-4	≤ 30	5	mg/kg	N.D.
3,3'-Dichlorobenzidine	91-94-1	≤ 30	5	mg/kg	N.D.
4,4'-Diaminodiphenylmethane	101-77-9	≤ 30	5	mg/kg	N.D.
4,4'-Thiodianiline	139-65-1	≤ 30	5	mg/kg	N.D.
4,4'-Oxydianiline	101-80-4	≤ 30	5	mg/kg	N.D.
4,4'-Methylene-Bis-(2-Chloro-aniline)	101-14-4	≤ 30	5	mg/kg	N.D.
4-Aminobiphenyl	92-67-1	≤ 30	5	mg/kg	N.D.
4-Aminoazobenzene	60-09-3	≤ 30	5	mg/kg	N.D.
4-Chloro-O-Toluidine	95-69-2	≤ 30	5	mg/kg	N.D.
5-Nitro-o-Toluidine	99-55-8	≤ 30	5	mg/kg	N.D.
4-Chloroaniline	106-47-8	≤ 30	5	mg/kg	N.D.
Benzidine	92-87-5	≤ 30	5	mg/kg	N.D.
O-anisidine	90-04-0	≤ 30	5	mg/kg	N.D.
O-aminoazotoluene	97-56-3	≤ 30	5	mg/kg	N.D.
O-toluidine	95-53-4	≤ 30	5	mg/kg	N.D.

Remarks:

1. MDL = Method Detection Limit; N.D. = Not detected (<MDL)

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The end of report