

Test Report

Report No.: CTT171030505ENR2

Date: Mar. 26, 2018

Page 1 of 9

Applicant: MID OCEAN BRANDS BV

Address: UNIT 201, 2/F., LAFORD CENTRE, 838 LAI CHI KOK ROAD, CHEUNG SHA WAN,
KOWLOON, HONG KONG

The following merchandise was (were) submitted and identified by client as:

Sample Name: TROLLEY

Model No.: MO9269,MO8635

Manufacturer: 103225

Exported to: EUROPE

Buyer: MID OCEAN BRANDS B.V
Unit 201 2/F., Laford
Centre, 838 Lai Chi Kok
Road, Cheung Sha Wan,
Kowloon, Hong Kong.

Country of Origin: CHINA

Sample Received Date: Nov. 03, 2017

Completed Date: Mar. 26, 2018

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

Signed for and on Behalf of CTT



Frank / Lab supervisor

Consumer Testing Technology Co., Ltd.

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Test Requested and Conclusion(s):

No.	Test Sample	Standard and Requirement	Conclusion(s)
1	Tested materials of submitted samples	Annex XVII items 63 of the REACH Regulation (EC) No 1907/2006 & amended (EU) No 836/2012 - Lead content	PASS (Please refer to "N" note of the next page)
2	Tested materials of submitted samples	Annex XVII items 23 of the REACH Regulation (EC) No 1907/2006 & COMMISSION REGULATION (EU) No 494/2011 - Total Cadmium (Cd)	PASS (Please refer to "N" note of the next page)
3	Tested materials of submitted samples	Annex XVII items 51 & 52 of the REACH Regulation (EC) No 1907/2006 & amended (EC) No. 552/2009 - Phthalates	PASS (Please refer to "N" note of the next page)
4	Tested materials of submitted samples	Annex XVII items 43 of the REACH Regulation (EC) No 1907/2006 & amended (EC) No. 552/2009 - Azo colorants and Azo dyes	PASS (Please refer to "N" note of the next page)

Test Result(s):

REACH – Lead content

Method: With reference to IEC 62321-5: 2013, analyzed Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
1	500	14	PASS
5+14+17 ^N	500	39	PASS
6+9+10 ^N	500	32	PASS
8	500	26	PASS
11+16 ^N	500	N.D.	PASS
12	500	N.D.	PASS
15	500	22	PASS
18	500	N.D.	PASS
19+21 ^N	500	N.D.	PASS
20	500	N.D.	PASS

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- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL (Reporting Limit) = 10 mg/kg.
 4. "N" = This data is obtained from composite testing on more than one materials, it is possible that result obtained from individual testing on any one of the materials is substantially higher. Please be cautious when using this data for compliance evaluation.

Total Cadmium (Cd)

Method: With reference to IEC 62321-5: 2013, analyzed by Atomic Absorption Spectroscopy (AAS).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
1	100	N.D.	PASS
5+14+17 ^N	100	3	PASS
6+9+10 ^N	100	N.D.	PASS
8	100	N.D.	PASS
11+16 ^N	1000	N.D.	PASS
12	100	N.D.	PASS
15	100	N.D.	PASS
18	100	N.D.	PASS
19+21 ^N	100	N.D.	PASS
20	100	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (<RL).
 3. RL (Reporting Limit) = 2 mg/kg.
 4. "N" = This data is obtained from composite testing on more than one materials, it is possible that result obtained from individual testing on any one of the materials is substantially higher. Please be cautious when using this data for compliance evaluation.



Test Result(s):

Phthalates

Method: With reference to EN ISO 14389:2014/COR:2014 was analyzed by Gas Chromatograph-Mass Spectrometer (GC-MS).

Substances	DBP	BBP	DEHP	SUM	DNOP	DIDP	DINP	SUM	Conclusion	
CAS No.	84-74-2	85-68-7	117-81-7	--	117-84-0	26761-40-0 68515-49-1	28553-12-0 68515-48-0	--		PASS
Limit (mg/kg)	--	--	--	1000	--	--	--	1000		
RL (mg/kg)	50	50	50	--	50	100	100	--		
Material No.	Result (mg/kg)									
1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
11+16 ^N	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		
20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.
 4. The DBP, DEHP and BBP shall not be used as substances or in mixtures, in concentrations greater than 1000 mg/kg by weight of the plasticised material, in toys and childcare articles.
 5. The DINP, DIDP and DNOP shall not be used as substances or in mixtures, in concentrations greater than 1000 mg/kg by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children.
 6. "N" = This data is obtained from composite testing on more than one materials, it is possible that result obtained from individual testing on any one of the materials is substantially higher. Please be cautious when using this data for compliance evaluation.
 7. The test material No.8's Phthalates result(s) is(are) cancelled in accordance with the client's requirement.

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Test Result(s):

Azocolourants and Azodyes ⁿ

Method: With reference to EN ISO 14362-1:2017 and EN ISO 14362-3:2017, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS)/ High Performance Liquid Chromatograph (HPLC-DAD).

No.	Substances Name	CAS No.	Limit (mg/kg)	Result (mg/kg)
				1
1	biphenyl-4-ylamine/ 4-aminodiphenyl/ xenylamine	92-67-1	30	N.D.
2	benzidine	92-87-5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	30	N.D.
4	2-naphthylamine	91-59-8	30	N.D.
5△	o-aminoazotoluene/ 4-o-tolylazo-o-toluidine/ 4-amino-2', 3-dimethylazobenzene	97-56-3	30	N.D.
6△	2-amino-4-nitrotoluene/ 5-nitro-o-toluidine	99-55-8	30	N.D.
7	4-chloroaniline	106-47-8	30	N.D.
8	4-methoxy-m-phenylenediamine	615-05-4	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	30	N.D.
11	3,3'-dimethoxybenzidine/ o-dianisidine	119-90-4	30	N.D.
12	3,3'-dimethylbenzidine/ 4,4'-bi-o-toluidine	119-93-7	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	30	N.D.
14	6-methoxy-m-toluidine/ p-cresidine	120-71-8	30	N.D.
15	4,4'-methylene-bis-(2-chloroaniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	30	N.D.
16	4,4'-oxydianiline	101-80-4	30	N.D.
17	4,4'-thiodianiline	139-65-1	30	N.D.
18	o-toluidine/ 2-aminotoluene	95-53-4	30	N.D.
19	4-methyl-m-phenylenediamine/ 2,4-toluylendiamine	95-80-7	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	30	N.D.
21	o-anisidine / 2-methoxyaniline	90-04-0	30	N.D.
22◇	4-aminoazobenzene	60-09-3	30	N.D.
Conclusion				PASS

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No.	Substances Name	CAS No.	Limit (mg/kg)	Result (mg/kg)
				2+3+4 ^N
1	biphenyl-4-ylamine/ 4-aminodiphenyl/ xenylamine	92-67-1	30	N.D.
2	benzidine	92-87-5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	30	N.D.
4	2-naphthylamine	91-59-8	30	N.D.
5△	o-aminoazotoluene/ 4-o-tolylazo-o-toluidine/ 4-amino-2', 3-dimethylazobenzene	97-56-3	30	N.D.
6△	2-amino-4-nitrotoluene/ 5-nitro-o-toluidine	99-55-8	30	N.D.
7	4-chloroaniline	106-47-8	30	N.D.
8	4-methoxy-m-phenylenediamine	615-05-4	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	30	N.D.
11	3,3'-dimethoxybenzidine/ o-dianisidine	119-90-4	30	N.D.
12	3,3'-dimethylbenzidine/ 4,4'-bi-o-toluidine	119-93-7	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	30	N.D.
14	6-methoxy-m-toluidine/ p-cresidine	120-71-8	30	N.D.
15	4,4'-methylene-bis-(2-chloroaniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	30	N.D.
16	4,4'-oxydianiline	101-80-4	30	N.D.
17	4,4'-thiodianiline	139-65-1	30	N.D.
18	o-toluidine/ 2-aminotoluene	95-53-4	30	N.D.
19	4-methyl-m-phenylenediamine/ 2,4-toluyldiamine	95-80-7	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	30	N.D.
21	o-anisidine / 2-methoxyaniline	90-04-0	30	N.D.
22◇	4-aminoazobenzene	60-09-3	30	N.D.
Conclusion				PASS

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No.	Substances Name	CAS No.	Limit (mg/kg)	Result (mg/kg)
				7+13 ^N
1	biphenyl-4-ylamine/ 4-aminodiphenyl/ xenylamine	92-67-1	30	N.D.
2	benzidine	92-87-5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	30	N.D.
4	2-naphthylamine	91-59-8	30	N.D.
5△	o-aminoazotoluene/ 4-o-tolylazo-o-toluidine/ 4-amino-2', 3-dimethylazobenzene	97-56-3	30	N.D.
6△	2-amino-4-nitrotoluene/ 5-nitro-o-toluidine	99-55-8	30	N.D.
7	4-chloroaniline	106-47-8	30	N.D.
8	4-methoxy-m-phenylenediamine	615-05-4	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	30	N.D.
11	3,3'-dimethoxybenzidine/ o-dianisidine	119-90-4	30	N.D.
12	3,3'-dimethylbenzidine/ 4,4'-bi-o-toluidine	119-93-7	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	30	N.D.
14	6-methoxy-m-toluidine/ p-cresidine	120-71-8	30	N.D.
15	4,4'-methylene-bis-(2-chloroaniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	30	N.D.
16	4,4'-oxydianiline	101-80-4	30	N.D.
17	4,4'-thiodianiline	139-65-1	30	N.D.
18	o-toluidine/ 2-aminotoluene	95-53-4	30	N.D.
19	4-methyl-m-phenylenediamine/ 2,4-toluyldiamine	95-80-7	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	30	N.D.
21	o-anisidine / 2-methoxyaniline	90-04-0	30	N.D.
22◇	4-aminoazobenzene	60-09-3	30	N.D.
Conclusion				PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL (Reporting Limit) = 5 mg/kg.
 4. "△" = The CAS No. 97-56-3 (No.5) and 99-55-8 (No.6) are further reduced to CAS No.95-53-4 (No.18) and 95-80-7(No.19).

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5. "◇" = Azo colorants that are able to form 4-aminoazobenzene(No.22), generate under the condition of this method aniline and 1, 4-phenylenediamine, therefore, the method of EN ISO 14362-3:2017 was employed to verify the 4-aminoazobenzene.
6. "N" = This data is obtained from composite testing on more than one materials, it is possible that result obtained from individual testing on any one of the materials is substantially higher. Please be cautious when using this data for compliance evaluation.
7. CTT171030505ENR1 is replaced by this report.

Test Material List

The following materials apply only to the samples submitted for chemical testing

Material No.	Description	Location
1	Black synthetic fiber with black plastic	Bag body
2	Black synthetic fiber	Non-woven
3	Black synthetic fiber	Outside of covered edge
4	Black synthetic fiber	Connect rope
5	Black plastic	Snap-fastener
6	Silvery metal	Spring
7	Black synthetic fiber	Outside of connect rope
8	Black plastic	Outside of board
9	Silvery metal	Substrate of zipper hand
10	Silvery metal	Substrate of zipper head
11	Black paint	Coating of zipper
12	Black plastic	Zipper teeth
13	Black synthetic fiber	Zip tap
14	Black plastic	Handle
15	Silvery metal	Substrate of carframe
16	Gray paint	Coating of carframe
17	Black plastic	Connector
18	Silvery plating metal	Shaft
19	Black plastic	Wheel hub
20	Black plastic	Wheel
21	Black plastic	Spacer

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Photo of Sample:



The following picture(s) is supplied by client:



End of Report

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