Test Report

Report No.	: AGC05443240431-001

SAMPLE NAME	:	Lunch box in recycled PP
MODEL NAME	:	MO2119
APPLICANT	:	MID OCEAN BRANDS B.V
STANDARD(S)	:	Please refer to the following page(s).
DATE OF ISSUE	:	Jun. 07, 2024

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.

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Applicant	:	MID OCEAN BRANDS B.V
Address	:	7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Test Site	:	6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Report on the submitted sample(s) said to be:

Sample Name	:	Lunch box in recycled PP
Model	:	MO2119
Vendor code	:	111034
Country of Origin	:	CHINA
Country of Destination	:	EUROPE
Sample Received Date	:	Apr. 28, 2024
Testing Period	:	Apr. 28, 2024 to Jun. 07, 2024
Test Requested	:	Selected test(s) as requested by client.

Test Requested:	**Conclusion**
Regulation 1935/2004/EC, Regulation(EU) No 10/2011 and its amendment Regulation (EU) 2020/1245 and Regulation (EU) 2018/213 and Council of Europe Resolution AP(2004)5	
- Overall migration	Pass
- Specific migration of Bisphenol A(BPA)	Pass
- Bisphenol A(BPA) content	Pass
- Specific migration of Primary aromatic amines	Pass
- Specific migration of Heavy metals	Pass
DM-4B-COM-003-v01	
- Volatile Organic Matter	Pass
- Peroxide value	Pass
- Specific Migration of Organotin (measured as Tin)	Pass

Approved by:

Suhongliang, Leon

Technical Director

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Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Jun. 07, 2024	Valid	Initial release

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The photo of the sample



The photo of AGC05443240431-001 is for use only with the original report.

Test Point Description

Test point	Test point description
1-1	Black recycled PP lunchbox
1-2	Black silicone plug
1-3	White silicone ring

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Test Results:

Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001%

- Overall Migration

Test point		Test result			Conclusion
		Overall migration/ (mg/kg)			
		3% Acetic acid, 40°C,240h	50% Ethanol, 40°C,240h	Olive oil, 40°C,240h	
1-1	1st migration	N.D.	N.D.	N.D.	Conformity
	2nd migration	N.D.	N.D.	N.D.	
	3rd migration	N.D.	N.D.	N.D.	
Limit		60	60	60	/
MDL		20	20	20	/

Test point	Test Result			Conclusion
	Overall migration/ (mg/kg)			
	3% Acetic acid, 40°C,240h	50% Ethanol, 40°C,240h	Olive oil, 40°C,240h	
1-2	N.D.	N.D.	N.D.	Conformity
1-3	N.D.	N.D.	6.8	Conformity
Limit	60	60	60	/
MDL	20	20	5	/

- Specific migration of Bisphenol A(BPA)

Test point	Test Result	Conclusion
	Specific migration of Bisphenol A(BPA)/ (mg/kg)	
	3% Acetic acid, 40°C,240h	
1-2	N.D.	Conformity
1-3	N.D.	Conformity
Client's limit	0.05	/
MDL	0.02	/

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-Bisphenol A(BPA) content

Test Item	Bisphenol A (BPA)
Limit (mg/kg)	Absent
MDL(mg/kg)	0.1
Test Method/ Instrument	EPA 3540C:1996& EPA 8321B:2007/ LC-MS-MS

Test point	**Test Result (mg/kg)**	**Conclusion**
	Bisphenol A (BPA)	
1-1	N.D.	**Conformity**

-Bisphenol A(BPA) content

Test Item	Bisphenol A (BPA)
Client's limit (mg/kg)	Absent
MDL(mg/kg)	0.1
Test Method/ Instrument	EPA 3540C:1996& EPA 8321B:2007/ LC-MS-MS

Test point	**Test Result (mg/kg)**	**Conclusion**
	Bisphenol A (BPA)	
1-2	N.D.	**Conformity**
1-3	N.D.	**Conformity**

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- Specific migration of Primary aromatic amines

Test Item(s)	MDL (mg/kg)	Limit (mg/kg)
4-Aminobiphenyl	0.002	N.D.
Benzidine	0.002	N.D.
4-Chloro-o-Toluidine	0.002	N.D.
2-Naphthylamine	0.002	N.D.
4-amino-2',3-dimethylazobenzene	0.002	N.D.
5-Nitro-o-toluidine	0.002	N.D.
4-Chloroaniline	0.002	N.D.
4-Methoxy-m-phenylenediamine	0.002	N.D.
4,4'-Diaminodiphenylmethane	0.002	N.D.
3,3'-Dichlorobenzidine	0.002	N.D.
3,3'-Dimethoxybenzidine	0.002	N.D.
3,3'-Dimethybenzidine	0.002	N.D.
4,4'-Methylenedi-o-toluidine	0.002	N.D.
6-methoxy-m-toluidine	0.002	N.D.
4,4'-methylenebis[2-chloroaniline]	0.002	N.D.
4,4'-Oxydianiline	0.002	N.D.
4,4'-Thiodianiline	0.002	N.D.
2-Aminotoluene	0.002	N.D.
4-methyl-m-phenylenediamine	0.002	N.D.
2,4,5-Trimethylaniline	0.002	N.D.
2-Methoxyaniline	0.002	N.D.
4-Aminoazobenzene	0.002	N.D.
1,3 phenylenediamine	0.002	N.D.
Total of other primary aromatic amines	0.01	0.01

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Test Item(s)	Test Result (mg/kg)		
	1-1		
	1st migration	2nd migration	3rd migration
	3% Acetic acid, 40°C,240h		
4-Aminobiphenyl	N.D.	N.D.	N.D.
Benzidine	N.D.	N.D.	N.D.
4-Chloro-o-Toluidine	N.D.	N.D.	N.D.
2-Naphthylamine	N.D.	N.D.	N.D.
4-amino-2',3-dimethylazobenzene	N.D.	N.D.	N.D.
5-Nitro-o-toluidine	N.D.	N.D.	N.D.
4-Chloroaniline	N.D.	N.D.	N.D.
4-Methoxy-m-phenylenediamine	N.D.	N.D.	N.D.
4,4'-Diaminodiphenylmethane	N.D.	N.D.	N.D.
3,3'-Dichlorobenzidine	N.D.	N.D.	N.D.
3,3'-Dimethoxybenzidine	N.D.	N.D.	N.D.
3,3'-Dimethybenzidine	N.D.	N.D.	N.D.
4,4'-Methylenedi-o-toluidine	N.D.	N.D.	N.D.
6-methoxy-m-toluidine	N.D.	N.D.	N.D.
4,4'-methylenebis[2-chloroaniline]	N.D.	N.D.	N.D.
4,4'-Oxydianiline	N.D.	N.D.	N.D.
4,4'-Thiodianiline	N.D.	N.D.	N.D.
2-Aminotoluene	N.D.	N.D.	N.D.
4-methyl-m-phenylenediamine	N.D.	N.D.	N.D.
2,4,5-Trimethylaniline	N.D.	N.D.	N.D.
2-Methoxyaniline	N.D.	N.D.	N.D.
4-Aminoazobenzene	N.D.	N.D.	N.D.
1,3 phenylenediamine	N.D.	N.D.	N.D.
Total of other primary aromatic amines	N.D.	N.D.	N.D.
Conclusion	**Conformity**		

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- Specific migration of Heavy metals

Test Item(s)	Test condition/ Equipment	MDL (mg/kg)	Test Result(s) (mg/kg)			Limit (mg/kg)
			1-1			
			1st migration	2nd migration	3rd migration	
Barium (Ba)	3% Acetic acid/ 40°C,240h/ ICP-OES/ IC	0.1	N.D.	N.D.	N.D.	1
Cobalt (Co)		0.01	N.D.	N.D.	N.D.	0.05
Copper (Cu)		0.25	N.D.	N.D.	N.D.	5
Iron (Fe)		0.25	N.D.	N.D.	N.D.	48
Lithium (Li)		0.1	N.D.	N.D.	N.D.	0.6
Manganese (Mn)		0.1	N.D.	N.D.	N.D.	0.6
Zinc (Zn)		0.25	N.D.	N.D.	N.D.	5
Aluminum (Al)		0.1	N.D.	N.D.	N.D.	1
Europium (Eu)		0.01	N.D.	N.D.	N.D.	/
Gadolinium (Gd)		0.01	N.D.	N.D.	N.D.	/
Lanthanum (La)		0.01	N.D.	N.D.	N.D.	/
Terbium (Tb)		0.01	N.D.	N.D.	N.D.	/
Sum(Eu+Gd+La+Tb)		/	N.D.	N.D.	N.D.	0.05
Antimony (Sb)		0.01	N.D.	N.D.	N.D.	0.04
Arsenic (As)		0.01	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)		0.002	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)		0.01	N.D.	N.D.	N.D.	N.D.
Lead (Pb)		0.01	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)		0.01	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)		0.01	N.D.	N.D.	N.D.	0.02
Conclusion		/	**Conformity**			/
Ammonium (NH_4^+)		0.10	N.D.	N.D.	N.D.	/
Calcium (Ca)		0.01	1.285	0.599	0.472	/
Magnesium (Mg)		0.01	0.183	0.107	0.081	/
Potassium (K)		0.01	0.036	N.D.	N.D.	/
Sodium (Na)		0.01	0.178	0.029	0.016	/

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- Volatile Organic Matter

Unit: %

Test item(s)	Test Condition	MDL	Result(s)	Limit
			1-2	
Volatile Organic Matter	200°C, 4h	0.1	0.30	0.5
Conclusion		/	**Conformity**	/

Test item(s)	Test Condition	MDL	Result(s)	Limit
			1-3	
Volatile Organic Matter	200°C, 4h	0.1	0.30	0.5
Conclusion		/	**Conformity**	/

- Peroxide value

Unit: %

Test Item	MDL	Result(s)	Limit
		1-2	
Peroxide value	0.2	N.D.	Absent
Conclusion	/	**Conformity**	/

Test Item	MDL	Result(s)	Limit
		1-3	
Peroxide value	0.2	N.D.	Absent
Conclusion	/	**Conformity**	/

- Specific Migration of Organotin (measured as Tin)

Test point	Test Result	Conclusion
	Specific Migration of Organotin (measured as Tin)/ (mg/kg)	
	3% Acetic acid, 40°C,240h	
1-2	N.D.	**Conformity**
1-3	N.D.	**Conformity**
Limit	0.1	/
MDL	0.01	/

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7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

*** End of Report ***

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TEST REPORT

Applicant: MID OCEAN BRANDS B.V.
7/F KINGS TOWER
111 KING LAM STREET
CHEUNG SHA WAN
KLN
Attn: DEREK HUI/EMMA LAM

Number: HKGH03125606

Date: May 10, 2024

Sample and Information provided by customer	:	
Item Name	:	**Lunch box in recycled PP**
Item No.	:	**MO2119**
Quantity	:	2 Pieces
Vendor	:	111034
Country of Origin	:	China

****

For and on behalf of :
Intertek Testing Services HK Ltd.

Dorothy M.Y. Lau
Vice President

Intertek Testing Services Hong Kong Limited
2/F Garment Centre
576 Castle Peak Road
Kowloon, Hong Kong
Tel +852 2173 8888
Fax +852 2786 1903
intertek.com.hk

TEST REPORT

Number : HKGH03125606

Conclusion:
The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

	Requirement	Result
(1)	Freezer safe test	Pass

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Decision Rule(s):
When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek's "Decision Rule Document" and is available on Intertek's website. https://intertekhk.grd.by/decision-rule-doc..
If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.
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intertek.com.hk

TEST REPORT

Number : HKGH03125606

(1) Freezer safe test

Test Standard : In house method per the applicant's specification

Test procedure :
1. The submitted sample was placed in a freezer at -18 ^{o}C for 24 hours.
2. The sample was left at room temperature until it completely returned to ambient temperature.
3. Visual observation was made for any visible damage or change in appearance after the test.

Requirement: As specified by the applicant, there shall be no visible damage or change in appearance after test.

Number of samples tested : One (1) set plus one (1) set as control sample

Result: No visible damage or change in appearance was observed on the test sample after the test.

Date sample received : Apr 25, 2024
Test Period : Apr 25, 2024 to May 06, 2024

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Kowloon, Hong Kong
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TEST REPORT

Number : HKGH03125606



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End of report

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