



TEST REPORT

Report No. WTF22F11233609A1F

Applicant..... : Mid Ocean Brands B.V.

Address : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha

Wan, Kowloon, Hong Kong

Manufacturer 115253

Sample Name Stainless steel double wall travel cup with black PP lid.

Capacity: 400 ml.

Sample Model.....: MO9618

Test Requested: 1. In accordance with Regulation (EU) No 10/2011 with

amendments, Council of Europe Resolution AP(2004)5

and Regulation (EC) No 1935/2004.

2 . In accordance with French Décret n°2007-766 with

amendments and Regulation (EC) No 1935/2004.

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

Date of Receipt sample 2022-11-21 & 2022-12-09

Testing period: 2022-11-21 to 2022-12-02 & 2022-12-09 to 2022-12-16

Date of Issue : 2022-12-21

Test Result : Refer to next page (s)

Note Selected test(s) as requested by applicant

Prepared By:

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

Jessise Liu

Jessise.Liu



Test Results:

1. Overall Migration Test

at let tet tret o		et R	esult (mg/dm	V 70	The Take		
Food Simulant	Test Condition	No.1			LOQ	Limit	
UNITEK WILLEK WAY	LEK MILLER MILLER	1 st 2 nd 3 rd		3 rd Migration	(mg/dm ²)	(mg/dm ²)	
3% Acetic Acid	70°C for 6 hours	ND	ND	ND	3 3	10	
10% Ethanol	70°C for 6 hours	ND	ND N	ND	3	10	
20% Ethanol	70°C for 6 hours	ND	ND	ND	3	10	

mr mr n	x x x	R	tesult (mg/dm	MULL M	in we i		
Food Simulant	Test Condition	ondition No.2				Limit	
IEL WITER WALTER	MULTER MILIER W	1 st Migration	2 nd Migration	3 rd Migration	(mg/dm ²)	(mg/dm ²)	
3% Acetic Acid	70°C for 6 hours	ND	ND NO	ND	3	10	
10% Ethanol	70°C for 6 hours	ND	ND O	ND	3	10	
20% Ethanol	70°C for 6 hours	ND	ND	ND	3	10	

- 1. Test method: With reference to BS EN 1186-1: 2002, BS EN 1186-3: 2002, BS EN 1186-9: 2002 and BS EN 1186-14: 2002.
- 2. "mg/dm2" = milligram per square decimetre
- 3. "°C" = Celsius degree
- 4. LOQ = Limit of quantitation
- 5. ND = Not Detected or lower than limit of quantitation
- 6. The specification was quoted from (EU) No 10/2011 and its amendments (EU) 2016/1416, (EU) 2017/752, (EU)2019/37 and (EU) 2020/1245.



The A Cinciles	Took Open liking	Result (mg/kg)	100(000/100)	Limit (ma/ka)	
Food Simulant	Test Condition	No.3	LOQ(mg/kg)	Limit (mg/kg)	
3% Acetic Acid	70°C for 6 hours	ND ND	20	60	
10% Ethanol	70°C for 6 hours	ND ND	20	10 60 m	
20% Ethanol	70°C for 6 hours	ND ND	20	60 0	

- 1. Test method: With reference to BS EN 1186-1: 2002, BS EN 1186-3: 2002, BS EN 1186-9: 2002 and BS EN 1186-14: 2002.
- 2. "mg/kg" = milligram per kilogram of foodstuff in contact with
- 3. "°C" = Celsius degree
- 4. LOQ = Limit of quantitation
- 5. ND = Not Detected or lower than limit of quantitation
- 6. The specification was quoted from Council of Europe Resolution AP (2004)5.





2. Specific Migration of heavy metal

	20, 20,	Result(mg/kg)	TEK JEK	WITE WALLE	WHITE WALL	
Test Items	NITER WITE	No.1	40	LOQ (mg/kg)	Limit (mg/kg)	
unit was the tel telt of	1 st Migration	2 nd Migration	3 rd Migration	Log (mg/kg)	Limit (mg/kg)	
Specific migration of Nickel	ND	ND ND	ND	0.01	0.02	
Specific migration of Aluminium	JUND AU	ND	ND	0.1	L NITE OF	
Specific migration of Barium	ND	ND	ND	0.1	1	
Specific migration of Cobalt	ND	ND	ND	0.01	0.05	
Specific migration of Copper	ND	ND	ND	0.1	JEK 5.JE	
Specific migration of Iron	ND	ND	ND	0.1	48	
Specific migration of Lithium	ND	ND	ND ND	0.01	0.6	
Specific migration of Manganese	ND	ND	ND (0.01	0.6	
Specific migration of Zinc	ND ND	ND	ND	0.1	d+ 5 d	
Specific migration of Antimony	ND -	ND	ND	0.01	0.04	
Specific migration of Arsenic	ND	TEND TE	ND	0.01	Not detected (<0.01)	
Specific migration of Cadmium	ND	ND	ND NO	0.002	Not detected (<0.002)	
Specific migration of Chromium	ND	ND	ND ND	0.01	Not detected (<0.01)	
Specific migration of Mercury	ND	ND	ND	0.01	Not detected (<0.01)	
Specific migration of Lead	ND	ND	ND	0.01	Not detected (<0.01)	
Specific migration of Europeum	ND	ND	AL ND AL	0.02		
Specific migration of Gadolinium	ND	ND	JAND JA	0.02	Sum +0.05	
Specific migration of Lanthanum	ND	ND	ND	0.02	Sum<0.05	
Specific migration of Terbium	ND	ND ND	ND	0.02	at at	



the marine man war war	24 20	Result(mg/kg	WITE WALTER	WILL MULT	
Test Items	ALTER WALTE	No.2	44	LOQ (mg/kg)	Limit (mg/kg)
unit united while united	1 st Migration	2 nd Migration	3 rd Migration	Log (mg/kg)	Limit (mg/kg)
Specific migration of Nickel	ND	ND ND	ND	0.01	0.02
Specific migration of Aluminium	ND W	ND	ND	0.1	t citt cit
Specific migration of Barium	ND	ND	ND	0.1	1
Specific migration of Cobalt	ND	ND	ND	0.01	0.05
Specific migration of Copper	ND	ND	ND	0.1	5
Specific migration of Iron	ND ND	ND ND	ND	0.1	48
Specific migration of Lithium	ND	ND	ND	0.01	0.6
Specific migration of Manganese	ND	ND	ND	0.01	0.6
Specific migration of Zinc	ND	ND	ND	0.1	5
Specific migration of Antimony	ND	ND	ND	0.01	0.04
Specific migration of Arsenic	ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Cadmium	ND	ND	ND	0.002	Not detected (<0.002)
Specific migration of Chromium	ND ND	ND	ND	0.01	Not detected (<0.01)
Specific migration of Mercury	ND IT	ND	ND	0.01	Not detected (<0.01)
Specific migration of Lead	ND ND	IND IND	ND	0.01	Not detected (<0.01)
Specific migration of Europeum	ND	ND O	ND	0.02	IN MALLE WI
Specific migration of Gadolinium	ND ND	ND	ND	0.02	- Little St
Specific migration of Lanthanum	ND	ND	ND	0.02	Sum<0.05
Specific migration of Terbium	ND	ND	ND T	0.02	White White

- 1. Test Method: With reference to BS EN 13130-1: 2004, sample preparation in 3% acetic acid at 70°C for 6 hours, analysis was performed by ICP-MS.
- 2. "mg/kg" = milligram per kilogram of foodstuff in contact with
- 3. LOQ = Limit of quantitation
- 4. ND = Not Detected or lower than limit of quantitation
- 5. The specification was quoted from (EU) No 10/2011 and its amendments (EU) 2016/1416, (EU) 2017/752 and (EU) 2020/1245.



3. Specific Migration of Primary Aromatic Amines

it while and and an	R	tesult (mg/kg	g)	NUTER WHITER W	rie Autie Auti	
Test Item	JUNETE V	No.1	20,	LOQ (mg/kg)	Limit (mg/kg)	
	1 st Migration	2 nd Migration	3 rd Migration	net wat with		
Migration of Primary aromatic amines	ND	ND	ND	0.01	Not detected	

the state state with the	et mileR	tesult (mg/k	g) wr	71, 71, 4	at the state	
Test Item	- Let	No.2	EK WALTER	LOQ (mg/kg)	Limit (mg/kg)	
	1 st Migration	2 nd Migration	3 rd Migration	LIEK WALTER WALTE		
Migration of Primary aromatic amines	ND	ND	ND	0.01	Not detected	

- 1. Test Method: With reference to § 64 LFGB L No. 00.00-6, analysis was performed by UV-visible Spectrometer.
- 2. Test Condition and simulant: 3% acetic acid at 70°C for 6 hours.
- 3. "mg/kg" = milligram per kilogram of foodstuff in contact with
- 4. LOQ = Limit of quantitation
- 5. ND = Not Detected or lower than limit of quantitation
- 6. The specification was quoted from (EU) No 10/2011 and its amendments (EU) 2016/1416, (EU) 2017/752 and (EU) 2020/1245.



4. Specific Migration of Primary Aromatic Amines (single substance)*

in with must must must	21, 2,	, F	Result(mg/kg		INLIER AL	Limit
Test Items	CAS No.	WILL .	No.1	10,	LOQ	
	CAS NO.	1 st Migration	2 nd Migration	3 rd Migration	(mg/kg)	(mg/kg)
2-methoxyaniline	90-04-0	ND	+ ND	ND	0.002	ND
4,4'-Diaminobiphenyl	92-87-5	ND	ND	ND	0.002	ND
4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	ND	ND	ND C	0.002	ND
4,4'-Diaminodiphenylmethane	101-77-9	ND	ND ND	ND	0.002	ND
4,4'-Oxydianiline	101-80-4	ND	ND	ND	0.002	ND
4-chloroaniline	106-47-8	ND	ND	ND	0.002	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	ND O	ND	0.002	ND
3,3'-Dimethylbenzidine	119-93-7	ND of	ND	ND	0.002	ND
2-Methoxy-5-methylaniline	120-71-8	ND	ND	ND	0.002	ND
2,4,5 – Trimethylaniline	137-17-7	ND	ND	ND	0.002	ND
4,4'-Thiodianiline	139-65-1	ND -	ND	ND	0.002	ND
4-aminoazobenzene	60-09-3	ND	ND	ND	0.002	ND.
2,4-diaminoanisol	615-05-4	ND	ND (ND	0.002	ND
4,4'-diamino-3,3'- dimethyldiphenylmethane	838-88-0	ND	ND	ND	0.002	ND
2-Naphthylamine	91-59-8	ND	ND	ND	0.002	ND
3,3'-Dichlorobenzidine	91-94-1	ND (ND	ND O	0.002	ND
4-Aminobiphenyl	92-67-1	ND	ND	ND	0.002	ND
2-methylaniline	95-53-4	- ND	ND	ND	0.002	ND
4-chloro-o-Toluidine	95-69-2	ND	ND	ND	0.002	ND
2,4-Toluylendiamine	95-80-7	ND	√ ND √	ND	0.002	ND
2,4-Aminoazotoluene	97-56-3	ND w	ND	ND	0.002	ND
2-Amino-4-nitrotoluene	99-55-8	ND (ND	ND N	0.002	₩ ND
2,4-Xylidin	95-68-1	ND	ND	ND	0.002	ND
2,6-Xylidin	87-62-7	ND C	ND	ND	0.002	ND
1, 3 - phenylene diamine	108-45-2	ND	ND	ND	0.002	ND.



and we we	211 20	, Jef-F	Result(mg/ko		WITER	Limit
Test Items	CAS No.	W.L.	No.2	10	LOQ	
rest tients	CAS NO.	1 st Migration	2 nd Migration	3 rd Migration	(mg/kg)	(mg/kg)
2-methoxyaniline	90-04-0	ND	ND -	ND	0.002	ND
4,4'-Diaminobiphenyl	92-87-5	ND	ND	ND	0.002	ND
4,4'-Methylen-bis-(2-chloroaniline)	101-14-4	ND	ND	≪ND ≪	0.002	ND
4,4'-Diaminodiphenylmethane	101-77-9	ND	√ND △	ND	0.002	ND
4,4'-Oxydianiline	101-80-4	ND	ND	ND	0.002	ND
4-chloroaniline	106-47-8	ND	ND	ND	0.002	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	⊘ ND ⊘	ND	0.002	ND
3,3'-Dimethylbenzidine	119-93-7	ND of	ND	ND	0.002	ND
2-Methoxy-5-methylaniline	120-71-8	ND	ND	ND	0.002	ND
2,4,5 – Trimethylaniline	137-17-7	ND	ND	ND	0.002	ND
4,4'-Thiodianiline	139-65-1	ND -	ND	ND	0.002	ND
4-aminoazobenzene	60-09-3	ND	ND	ND	0.002	→ ND
2,4-diaminoanisol	615-05-4	ND	ND	ND	0.002	ND
4,4'-diamino-3,3'- dimethyldiphenylmethane	838-88-0	ND	ND	ND	0.002	ND
2-Naphthylamine	91-59-8	ND	ND	ND	0.002	ND
3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	0.002	ND
4-Aminobiphenyl	92-67-1	ND	ND	ND	0.002	ND
2-methylaniline	95-53-4	- ND	ND	ND	0.002	ND
4-chloro-o-Toluidine	95-69-2	ND	ND	ND	0.002	ND
2,4-Toluylendiamine	95-80-7	ND	√ ND √	ND	0.002	ND
2,4-Aminoazotoluene	97-56-3	ND on	ND	ND	0.002	ND
2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND N	0.002	₩ND -
2,4-Xylidin	95-68-1	ND	ND	ND	0.002	ND
2,6-Xylidin	87-62-7	ND (ND	ND	0.002	ND
1, 3 - phenylene diamine	108-45-2	ND	ND	ND	0.002	ND.

- 1. Test Method: With reference to EN 13130-1:2004, analysis was performed by LC-MS-MS.
- 2. Test Condition and simulant: 3% acetic acid at 70°C for 6 hours.
- 3. "mg/kg" = milligram per kilogram of foodstuff in contact with
- 4. LOQ = Limit of quantitation
- 5. ND = Not Detected or lower than limit of quantitation
- 6. The specification was quoted from (EU) No 10/2011 and its amendments (EU) 2016/1416, (EU) 2017/752 and (EU) 2020/1245.
- 7. The testing item marked with '*' does not been accredited by CNAS.



5. Specific Migration of Acrylonitrile

Test Item	Result (mg/kg)	LOQ (mg/kg)	Limit (mg/kg)
Migration of Acrylonitrile	ND. I	0.01 V	Not Detected

Note:

- 1. Test Method: With reference to EN 13130-3:2004, sample preparation in 3% acetic acid at 70°C for 6 hours, analysis was performed by HS-GC-MS.
- 2. "mg/kg" = milligram per kilogram of foodstuff in contact with
- 3. LOQ= Method Detection Limit
- 4. ND = Not Detected, less than LOQ
- 5. The specification was quoted from (EU) No 10/2011.

6. 1,3-butadiene Content

Tool Home Nation Will	Result (mg/kg)	1.00 (mg/kg)	Limit (ma/ka)	
Test Item	No.1 No.1	LOQ (mg/kg)	Limit (mg/kg)	
1,3-butadiene	0.7	0.5	it will with	

Note:

- 1. Test Method: With reference to DIN EN 13130-4:2004, analysis was performed by HS-GC-MS.
- 2. "mg/kg" = milligram per kilogram of foodstuff in contact with
- 3. LOQ = Limit of quantitation
- 4. The specification was quoted from (EU) No 10/2011.

7. Bisphenol A Content*

	Test Item	NATES WALTER	Result (mg/kg) LOQ (mg/kg) Limit		Limit (ma/ka)		
'm	rest item	No.3	No.5	No.6	LOQ (IIIg/kg)	Limit (mg/kg)	
Bisph	enol A	ND	ND	ND	0.1	Not Detected	

- 1. Test Method: With reference to EPA3550C:2007, analysis was performed by LC-MS-MS.
- 2. "mg/kg" = milligram per kilogram
- 3. LOQ = Limit of quantitation
- 4. ND = Not Detected or lower than limit of quantitation
- 5. The specification was quoted from Law No 2012-1442.
- 6. The testing item marked with "" does not been accredited by CNAS.



8. Peroxide Value Test*

Toot Hom	Result	on the water water water	
Test Item	No.3	Limit	
Peroxide Value	Absent	Absent	

Note:

- 1. Test method: With reference to French pharmacopoeia Xth edition.
- 2. The specification was quoted from French Arrêté du 25 novembre 1992 for Silicone Elastomers.
- 3. The testing item marked with '*' does not been accredited by CNAS.

9. Volatile Organic Compounds

Test Item	Test Condition	Result (%)	100 (%)	Limit (0/)
		No.3	LOQ (%)	Limit (%)
Volatile Organic compounds	200°C for 4 hours	0.28	0.05	0.5

Note:

- 1. Test method: With reference to French Arrêté du 25 novembre 1992 Annex III for silicone Elastomers.
- 2. "%" = percentage by weight
- 3. LOQ = Limit of quantitation
- 4. The specification was quoted from French Arrêté du 25 novembre 1992 for Silicone Elastomers.

10. Specific Migration of Organotin (as Tin)

101 Opcome imgration of organican (ao 111)					
Food Simulant	Test Condition —	Result (mg/kg)	1 00 (mg/kg)	Limit (mg/kg)	
Food Simulant	rest Condition	No.3	LOQ (mg/kg)		
3% acetic acid	70°C for 6 hours	ND	0.01	0.1	

- 1. Test Method: With reference to BS EN 13130-1: 2004, analysis was performed by ICP-MS.
- 2. "mg/kg" = milligram per kilogram
- 3. LOQ = Limit of quantitation
- 4. ND = Not Detected, less than LOQ
- 5. The specification was quoted from French Arrêté du 25 novembre 1992 for Silicone Elastomers.



11. Council of Europe Resolution CM/Res(2013)9-Specific Migration of Heavy Metal

Test Items	1st+2nd Migration (mg/kg)	LOQ (mg/kg)	Limit (ma/lea)	
restitems	No.4	LOQ (mg/kg)	Limit (mg/kg)	
Aluminium (Al)	ND A	0.2	35	
Antimony (Sb)	ND ND	0.02	0.28	
Chromium (Cr)	0.22	0.04	1.75	
Cobalt (Co)	ND	0.02	0.14	
Copper (Cu)	ND ND	0.2	28	
Iron (Fe)	6.0	0.4	280	
Manganese (Mn)	ND ND	0.2	12.6	
Molybdenum (Mo)	Et TEL ND EL MALTE	0.02	0.84	
Nickel (Ni)	0.14	0.02	0.98	
Silver (Ag)	LIFE METER MO METER A	0.02	0.56	
Tin (Sn)	ND +	0.2	700	
Vanadium (V)	NOTE AND NOTE AND	0.01	0.07	
Zinc (Zn)	ND At NO	0.2	35	
Arsenic (As)	ND	0.002	0.014	
Barium (Ba)	ND ND	0.2	8.4	
Beryllium (Be)	ND	0.01	0.07	
Cadmium (Cd)	The ND and In	0.002	0.035	
Lead (Pb)	, ND	0.01	0.07	
Lithium (Li)	ND	0.01	0.336	
Mercury (Hg)	ND ND	0.002	0.021	
Thallium (TI)	ND	0.0002	0.0007	
Magnesium (Mg)	ND NN	0.2	ek jiek jiek	
Titanium (Ti)	A ND	0.02	7/1 - 7/1	



t farmati	3rd Migration (mg/kg)	100 (ma/ka)	1 (in it (in a (i) in)	
Test Items	No.4	LOQ (mg/kg)	Limit (mg/kg)	
Aluminium (Al)	M. MD M.	0.1	5	
Antimony (Sb)	THE THE ND THE STATE	0.01	0.04	
Chromium (Cr)	0.03	0.02	0.25	
Cobalt (Co)	A NO WALL	0.01	0.02	
Copper (Cu)	ND	0.1	41	
Iron (Fe)	0.4	0.2	40	
Manganese (Mn)	TEL TOND THE MINIS	0.1	1.8	
Molybdenum (Mo)	ND	0.01	0.12	
Nickel (Ni)	0.01	0.01	0.14	
Silver (Ag)	ND	0.01	0.08	
Tin (Sn)	I WILL MUD WILL D	0.1	100	
Vanadium (V)	L THE UND THE WAY	0.005	0.01	
Zinc (Zn)	ND	0.1	merit no 5 mil	
Arsenic (As)	ND	0.001	0.002	
Barium (Ba)	ND ND	0.1	1.2	
Beryllium (Be)	ND	0.005	0.01	
Cadmium (Cd)	ND MILITERAL	0.001	0.005	
Lead (Pb)	nn ND	0.005	0.01	
Lithium (Li)	ND ND	0.005	0.048	
Mercury (Hg)	ND at the	0.001	0.003	
Thallium (TI)	ND ND	0.0001	0.0001	
Magnesium (Mg)	ND ND	1.0 m 0.1 m	- 1/1 - 1/2	
Titanium (Ti)	ND ND	A 0.01	EK NITER MITE	

- 1. Test Method: With reference to BS EN 13130-1: 2004, analysis was performed by ICP-MS.
- 2. Test Condition and simulant: Sample(s) were migrated with 5g/L citric acid at 70°C for 6 hours.
- 3. "mg/kg" = milligram per kilogram of foodstuff in contact with
- 4. LOQ = Limit of quantitation
- 5. ND = Not Detected or lower than limit of quantitation
- 6. "--" = Not regulated
- 7. The specification was quoted from Technical Guide on Metals and alloys used in food contact materials of Council of Europe Resolution CM/Res(2013)9.



Sample Photo:







Photo	Photograph of parts tested:				
No.	Photo of testing part	Parts Description	Client Claimed Material		
Mitex Mitex Mitex Mitex		Black plastic	ABS (Sample received at 2022-11-21)		
		Whitek Whitek Whitek	UNITED WITH WITH WITH WITH		
2 minist	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	Black plastic	(Sample received at 2022-11-21)		
ALTER A	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 .	Transparent silicone rubber	Silicone rubber		
A EX	5 5 7 1 10 H T H 15 W T W 20 A T A 25 A A A 30 A A A 30	Silvery metal	Stainless steel		



No.	Photo of testing part	Parts Description	Client Claimed Material
TIPLE TO THE TOTAL	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 1	Black plastic	ABS (Sample received at 2022-12-09)
6	3 4 5 6 7 8 9 10 H 12 13 H 15 16 17 18 19 20 21	Black plastic	PP (Sample received at 2022-12-09)

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;
- 3. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver:
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===== End of Report =====