

TEST REPORT

<u>Applicant</u>	: Mid Ocean Brands B.V.
<u>Address</u>	: Unit 711-716, Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hongkong
<u>Sample description</u>	: Double wall vacuum flask
<u>Model no.</u>	: MO9703
<u>Supplier code</u>	: 118449
<u>Buyer</u>	: Mid Ocean Brands B.V.
<u>Product material</u>	: PP ABS Silicone Stainless steel
<u>Country of origin</u>	: China
<u>Country of destination</u>	: EU
<u>Sample received date</u>	: 12 - Dec - 2025
<u>Sample resubmission date</u>	: 26 - Dec - 2025
<u>Turn around time</u>	: 12 - Dec - 2025 to 31 - Dec - 2025

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Overall Migration	Regulation (EU) No. 10/2011 and its amendments	Pass
Overall Migration	Regulation (EU) No. 10/2011 and its amendments, Fiche MCDA n° 3 (V03-09/09/2021)	Pass
Overall Migration	Council of Europe Resolution AP (2004) 5	Pass
Overall Migration	French Décret 2007-766 with amendments and French Arrêté du 25 Novembre 1992	Pass
Specific Migration of Heavy Metal	Regulation (EU) No. 10/2011 and its amendments	Pass
Specific Migration of Heavy Metal	Regulation (EU) No. 10/2011 and its amendments, Fiche MCDA n° 3 (V03-09/09/2021)	Pass
Specific Migration of Primary Aromatic Amines	Regulation (EU) No. 10/2011 and its amendments	Pass

Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Hangzhou) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. Unless otherwise stated from the customer, regulation or the standard specification, Eurofins will apply it in accordance with ILAC G8:09/2019-(binary statement for simple acceptance rule). If you happen to have any comments, please do it by sending email to info.hz@cpt.eurofinscn.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Hangzhou) Co., Ltd. If you happen to have any complaints, please do it by sending email to chinacomplaint.hz@cpt.eurofinscn.com and referring to this report number.

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Specific Migration of Primary Aromatic Amines	Regulation (EU) No. 10/2011 and its amendments, Fiche MCDA n° 3 (V03-09/09/2021)	Pass
Specific Release of Heavy Metals	Fiche MCDA n° 1 (V02 - 01/04/2017), EU EDQM 2nd Edition, 2024	Pass
Specific Release of Heavy Metals	European Directorate for the Quality of Medicines & Healthcare (EDQM)- Technical Guide on Metals and alloys used in food contact materials and articles (2nd Edition, 2024)	Pass
Volatile Organic Matter (VOM)	DGCCRF French Décret 2007-766 with amendments and French Arrêté du 25 Novembre 1992	Pass
Specific migration of Organotin (as tin)	French Décret 2007-766 with amendments and French Arrêté du 25 Novembre 1992	Pass
Specific Migration of Acrylonitrile	Regulation (EU) No. 10/2011 and its amendments	Pass
Specific Migration of Acrylonitrile	Regulation (EU) No. 10/2011 and its amendments, Fiche MCDA n° 3 (V03-09/09/2021)	Pass
Peroxide Value	French Décret 2007-766 with amendments and French Arrêté du 25 Novembre 1992	Pass
Total Lead Content	REACH Annex XVII, Entry 63	Pass
Polycyclic Aromatic Hydrocarbons (PAHs)	REACH Annex XVII, Entry 50	Pass
Total Cadmium Content	REACH Annex XVII, Entry 23	Pass
Phthalates content	REACH Annex XVII, Entry 51 & 52	Pass
Total Bisphenol A (BPA) Content	DGCCRF French Decree No. 2007-766 and its amendment, French Law No. 2012/1442	Pass
Specific Migration of Bisphenol A	Regulation (EU) No 10/2011 and its amendments and Regulation (EU) No. 2024/3190	Pass
Specific Migration of Bisphenol A	Regulation (EU) No 10/2011 and its amendments and Regulation (EU) 2024/3190, Fiche MCDA n° 3 (V03-09/09/2021)	Pass
Mechanical dishwashing resistance of utensils-Part 1: Reference test method for domestic articles	BS EN 12875-1: 2005	See Test Result
Mechanical dishwashing resistance of utensils-Part 2: Inspection of non-metallic articles	BS EN 12875-2:2002	See Test Result

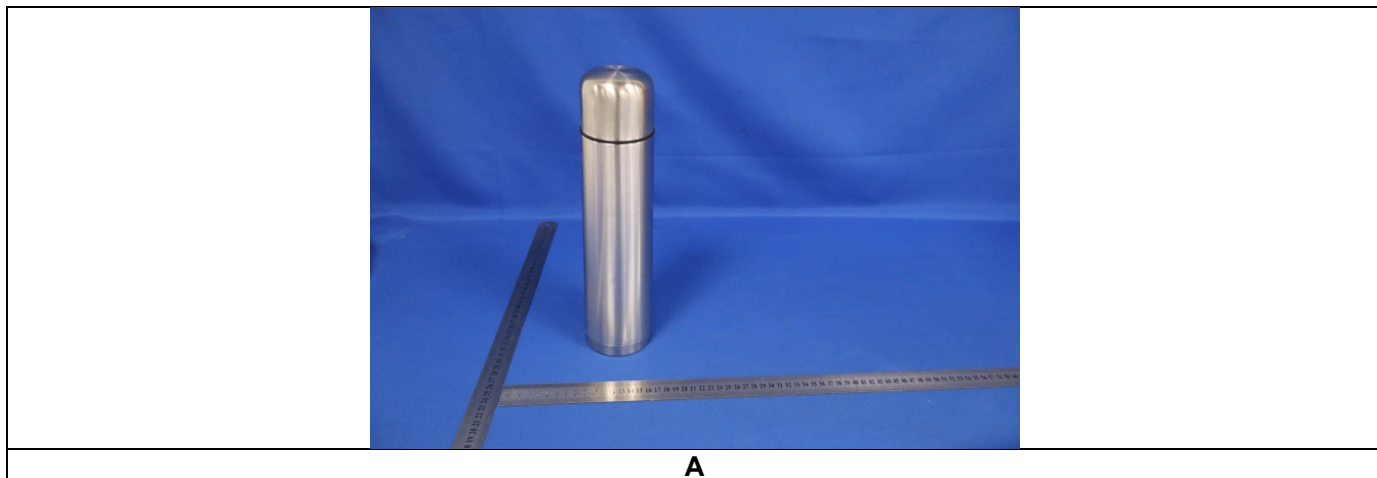
Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Hangzhou) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. Unless otherwise stated from the customer, regulation or the standard specification, Eurofins will apply it in accordance with ILAC G8:09/2019-(binary statement for simple acceptance rule). If you happen to have any comments, please do it by sending email to info.hz@cpt.eurofinscn.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Hangzhou) Co., Ltd. If you happen to have any complaints, please do it by sending email to chinacomplaint.hz@cpt.eurofinscn.com and referring to this report number.

Eurofins (Hangzhou) contact information**Customer service:** Niki.Fang@cpt.eurofinscn.com/ +86 571 87203730**Sales specialist:** Sophia.Ma@cpt.eurofinscn.com/

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
Eurofins Product Testing Service (Hangzhou) Co., LtdLincoln Shi
Operation Manager

SAMPLE PHOTO(S)



A

EFHZ25122662-CG-01

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	Black PP lid	A
2	White ABS lid	A
3	Semi-transparent silicone sealing ring	A
4	Silver stainless steel inner	A
5	Silver stainless steel outer Wall	A

TO BE CONTINUED

TEST RESULT

Overall Migration

Test Request: To determine the Overall Migration in accordance with Commission Regulation (EU) No 10/2011 and its amendments relating to plastic materials and articles intended to come into contact with foodstuffs.

Test Method: With reference to EN1186-1:2002 for selection of conditions and test methods;
EN1186-3:2022 overall migration in evaporable simulants by total immersion method, filling a container method.

Simulant Used	Time	Temperature	Unit	Limit	Result		
					1		
					1 st	2 nd	3 rd
Ethanol 50%	2h	70° C	mg/dm ²	10	ND	ND	ND
Acetic Acid 3%	2h	70° C	mg/dm ²	10	9.3	ND	ND

Simulant Used	Time	Temperature	Unit	Limit	Result		
					2		
					1 st	2 nd	3 rd
Ethanol 50%	2h	70° C	mg/dm ²	10	ND	ND	ND
Acetic Acid 3%	2h	70° C	mg/dm ²	10	ND	ND	ND

Remark:

ND = not detected, less than 3.0 mg/dm²

mg/dm² = milligram per square decimeter

Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Overall Migration

Test Request: In accordance with Commission Regulation (EU) No. 10/2011 and its amendments, and DGCCRF Food contact suitability of organic materials from synthetic materials - Fiche MCDA n° 3 (V03-09/09/2021).

Test Method: With reference to EN1186-1:2002 for selection of conditions and test methods;
EN1186-3:2022 overall migration in evaporable simulants by total immersion method, filling a container method.

Simulant Used	Time	Temperature	Unit	Limit	Result		
					1		
					1 st	2 nd	3 rd
Ethanol 50%	2h	70° C	mg/dm ²	10	ND	ND	ND
Acetic Acid 3%	2h	70° C	mg/dm ²	10	9.3	ND	ND

Simulant Used	Time	Temperature	Unit	Limit	Result		
					2		
					1 st	2 nd	3 rd
Ethanol 50%	2h	70° C	mg/dm ²	10	ND	ND	ND
Acetic Acid 3%	2h	70° C	mg/dm ²	10	ND	ND	ND

Remark:

ND = not detected, less than 3.0 mg/dm²

mg/dm² = milligram per square decimeter

Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Overall Migration

Test Request: In accordance with Council of Europe Resolution AP (2004) 5.

Test Method: With reference to EN1186-1:2002 for selection of conditions and test methods;
EN1186-3:2022 overall migration in evaporable simulants by total immersion method.

Simulant Used	Time	Temperature	Unit	Limit	Result		
					3		
					1 st	2 nd	3 rd
Ethanol 50%	2h	70° C	mg/dm ²	10	ND	ND	ND
Acetic Acid 3%	2h	70° C	mg/dm ²	10	ND	ND	ND

Remark:

ND = not detected, less than 3.0 mg/dm²
mg/dm² = milligram per square decimeter
Test condition & simulant were specified by client.

Overall Migration

Test Request: In accordance with French Décret 2007-766 with amendments and French Arrêté du 25 Novembre 1992.

Test Method: With reference to EN1186-1:2002 for selection of conditions and test methods;
EN1186-3:2022 overall migration in evaporable simulants by total immersion method.

Simulant Used	Time	Temperature	Unit	Limit	Result		
					3		
					1 st	2 nd	3 rd
Ethanol 50%	2h	70° C	mg/dm ²	10	ND	ND	ND
Acetic Acid 3%	2h	70° C	mg/dm ²	10	ND	ND	ND

Remark:

ND = not detected, less than 3.0 mg/dm²
mg/dm² = milligram per square decimeter
Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Specific Migration of Heavy Metal

Test Request: To determine the Specific Migration of Heavy Metal in accordance with Commission Regulation (EU) No 10/2011 and its amendments relating to plastic materials and articles intended to come into contact with foodstuffs.

Test Method: With reference to Regulation (EU) 10/2011 for selection of test condition and EN 13130-1:2004 for test preparation method; analysis was performed by ICP-MS.

Simulant Used: Acetic Acid 3%

Test Condition: 2h at 70° C

Test Item(s)	Unit	Limit	MDL	Result					
				1			2		
				1 st	2 nd	3 rd	1 st	2 nd	3 rd
Barium (Ba)	mg/kg	1	0.25	ND	ND	ND	ND	ND	ND
Cobalt (Co)	mg/kg	0.05	0.01	ND	ND	ND	ND	ND	ND
Copper (Cu)	mg/kg	5	0.25	ND	ND	ND	ND	ND	ND
Iron (Fe)	mg/kg	48	0.25	ND	ND	ND	ND	ND	ND
Lithium (Li)	mg/kg	0.6	0.5	ND	ND	ND	ND	ND	ND
Manganese (Mn)	mg/kg	0.6	0.05	ND	ND	ND	ND	ND	ND
Zinc (Zn)	mg/kg	5	0.5	ND	ND	ND	ND	ND	ND
Aluminium (Al)	mg/kg	1	0.1	ND	ND	ND	ND	ND	ND
Nickel (Ni)	mg/kg	0.02	0.01	ND	ND	ND	ND	ND	ND
Antimony (Sb)	mg/kg	0.04	0.01	ND	ND	ND	ND	ND	ND
Arsenic (As)	mg/kg	ND	0.01	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	ND	0.002	ND	ND	ND	ND	ND	ND
Chromium (Cr)	mg/kg	ND	0.01	ND	ND	ND	ND	ND	ND
Europium (Eu)	mg/kg	-	0.01	ND	ND	ND	ND	ND	ND
Gadolinium (Gd)	mg/kg	-	0.01	ND	ND	ND	ND	ND	ND
Lanthanum (La)	mg/kg	-	0.01	ND	ND	ND	ND	ND	ND
Terbium (Tb)	mg/kg	-	0.01	ND	ND	ND	ND	ND	ND
Sum of lanthanide substances	mg/kg	0.05	-	ND	ND	ND	ND	ND	ND
Lead (Pb)	mg/kg	ND	0.01	ND	ND	ND	ND	ND	ND
Mercury (Hg)	mg/kg	ND	0.01	ND	ND	ND	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

MDL = Method Detection Limit

ND = Not detected, less than MDL

Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Specific Migration of Heavy Metal

Test Request: To determine the Specific Migration of Heavy Metal in accordance with Commission Regulation (EU) No 10/2011 and its amendments, and DGCCRF Food contact suitability of organic materials from synthetic materials – Fiche MCDA n° 3 (V03-09/09/2021).

Test Method: With reference to Regulation (EU) 10/2011 for selection of test condition and EN 13130-1:2004 for test preparation method; analysis was performed by ICP-MS.

Simulant Used: Acetic Acid 3%

Test Condition: 2h at 70° C

Test Item(s)	Unit	Limit	MDL	Result					
				1			2		
				1 st	2 nd	3 rd	1 st	2 nd	3 rd
Barium (Ba)	mg/kg	1	0.25	ND	ND	ND	ND	ND	ND
Cobalt (Co)	mg/kg	0.05	0.01	ND	ND	ND	ND	ND	ND
Copper (Cu)	mg/kg	5	0.25	ND	ND	ND	ND	ND	ND
Iron (Fe)	mg/kg	48	0.25	ND	ND	ND	ND	ND	ND
Lithium (Li)	mg/kg	0.6	0.5	ND	ND	ND	ND	ND	ND
Manganese (Mn)	mg/kg	0.6	0.05	ND	ND	ND	ND	ND	ND
Zinc (Zn)	mg/kg	5	0.5	ND	ND	ND	ND	ND	ND
Aluminium (Al)	mg/kg	1	0.1	ND	ND	ND	ND	ND	ND
Nickel (Ni)	mg/kg	0.02	0.01	ND	ND	ND	ND	ND	ND
Antimony (Sb)	mg/kg	0.04	0.01	ND	ND	ND	ND	ND	ND
Arsenic (As)	mg/kg	ND	0.01	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	ND	0.002	ND	ND	ND	ND	ND	ND
Chromium (Cr)	mg/kg	ND	0.01	ND	ND	ND	ND	ND	ND
Europium (Eu)	mg/kg	-	0.01	ND	ND	ND	ND	ND	ND
Gadolinium (Gd)	mg/kg	-	0.01	ND	ND	ND	ND	ND	ND
Lanthanum (La)	mg/kg	-	0.01	ND	ND	ND	ND	ND	ND
Terbium (Tb)	mg/kg	-	0.01	ND	ND	ND	ND	ND	ND
Sum of lanthanide substances	mg/kg	0.05	-	ND	ND	ND	ND	ND	ND
Lead (Pb)	mg/kg	ND	0.01	ND	ND	ND	ND	ND	ND
Mercury (Hg)	mg/kg	ND	0.01	ND	ND	ND	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

MDL = Method Detection Limit

ND = Not detected, less than MDL

Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Specific Migration of Primary Aromatic Amines

Test Request: To determine the Specific Migration of Primary Aromatic Amines in accordance with Commission Regulation (EU) No 10/2011 and its amendments.

Test Method: With reference to EN 13130-1:2004, analysis was performed by LC-MS/MS.

Simulant Used: Acetic Acid 3%

Test Condition: 2h at 70° C

Test Item(s)	CAS No.	Unit	Limit	MDL	Result					
					1			2		
					1 st	2 nd	3 rd	1 st	2 nd	3 rd
m-Phenylenediamine	108-45-2	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
2-methoxy-5-methylaniline	120-71-8	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
2-Naphthylamine	91-59-8	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
o-Dianisidine	119-90-4	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
o-Tolidine	119-93-7	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4,4-Methylene-bis-2-chloroaniline	101-14-4	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4,4-methylenedianiline	101-77-9	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4,4-diamino-3,3-dimethyldiphenyl methane	838-88-0	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4,4-oxydianiline	101-80-4	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4,4-thiodianiline	139-65-1	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4-aminoazobenzene	60-09-3	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4-aminobiphenyl	92-67-1	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4-Chloroaniline	106-47-8	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4-chloro-2-methylaniline	95-69-2	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
2,4-diaminoanisole	615-05-4	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

2,4-diaminotoluene	95-80-7	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
2-methyl-5-nitroaniline	99-55-8	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
Benzidine	92-87-5	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
o-Aminoazotoluene	97-56-3	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
o-anisidine	90-04-0	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
o-toluidine	95-53-4	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
p-Phenylenediamine	106-50-3	mg/kg	-	0.002	ND	ND	ND	ND	ND	ND
2,4-Dimethylaniline	95-68-1	mg/kg	-	0.002	ND	ND	ND	ND	ND	ND
2,6-Dimethylaniline	87-62-7	mg/kg	-	0.002	ND	ND	ND	ND	ND	ND
Aniline	62-53-3	mg/kg	-	0.002	ND	ND	ND	ND	ND	ND
2,2'-methylenedianiline	6582-52-1	mg/kg	-	0.002	ND	ND	ND	ND	ND	ND
2,4'-methylenedianiline	1208-52-2	mg/kg	-	0.002	ND	ND	ND	ND	ND	ND
Total of other primary aromatic amines	-	mg/kg	0.01	-	ND	ND	ND	ND	ND	ND

Remark:

Total of other primary aromatic amines are p-Phenylenediamine (CAS No.:106-50-3), 2,4-dimethylaniline(CAS No.:95-68-1), 2,6-dimethylaniline(CAS No.:87-62-7), aniline (CAS No.:62-53-3), 2,2'-methylenedianiline(CAS No.:6582-52-1), 2,4'-methylenedianiline(CAS No.:1208-52-2).

mg/kg = milligram per kilogram

ND = not detected, less than MDL

MDL = method detection limit

Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Specific Migration of Primary Aromatic Amines

Test Request: To determine the Specific Migration of Primary Aromatic Amine Metal in accordance with Commission Regulation (EU) No 10/2011 and its amendments, and DGCCRF Food contact suitability of organic materials from synthetic materials - Fiche MCDA n° 3 (V03-09/09/2021).

Test Method: With reference to EN 13130-1:2004, analysis was performed by LC-MS/MS.

Simulant Used: Acetic Acid 3%

Test Condition: 2h at 70° C

Test Item(s)	CAS No.	Unit	Limit	MDL	Result					
					1			2		
					1 st	2 nd	3 rd	1 st	2 nd	3 rd
m-Phenylenediamine	108-45-2	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
2-methoxy-5-methylaniline	120-71-8	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
2-Naphthylamine	91-59-8	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
3,3'-dichlorobenzidine	91-94-1	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
o-Dianisidine	119-90-4	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
o-Tolidine	119-93-7	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4,4-Methylene-bis-2-chloroaniline	101-14-4	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4,4-methylenedianiline	101-77-9	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4,4-diamino-3,3-dimethyldiphenyl methane	838-88-0	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4,4-oxydianiline	101-80-4	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4,4-thiodianiline	139-65-1	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4-aminoazobenzene	60-09-3	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4-aminobiphenyl	92-67-1	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4-Chloroaniline	106-47-8	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
4-chloro-2-methylaniline	95-69-2	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

2,4-diaminoanisole	615-05-4	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
2,4-diaminotoluene	95-80-7	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
2-methyl-5-nitroaniline	99-55-8	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
Benzidine	92-87-5	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
o-Aminoazotoluene	97-56-3	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
o-anisidine	90-04-0	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
o-toluidine	95-53-4	mg/kg	Not Detectable	0.002	ND	ND	ND	ND	ND	ND
p-Phenylenediamine	106-50-3	mg/kg	-	0.002	ND	ND	ND	ND	ND	ND
2,4-Dimethylaniline	95-68-1	mg/kg	-	0.002	ND	ND	ND	ND	ND	ND
2,6-Dimethylaniline	87-62-7	mg/kg	-	0.002	ND	ND	ND	ND	ND	ND
Aniline	62-53-3	mg/kg	-	0.002	ND	ND	ND	ND	ND	ND
2,2'-methylenedianiline	6582-52-1	mg/kg	-	0.002	ND	ND	ND	ND	ND	ND
2,4'-methylenedianiline	1208-52-2	mg/kg	-	0.002	ND	ND	ND	ND	ND	ND
Total of other primary aromatic amines	-	mg/kg	0.01	-	ND	ND	ND	ND	ND	ND

Remark:

Total of other primary aromatic amines are p-Phenylenediamine (CAS No.:106-50-3), 2,4-dimethylaniline(CAS No.:95-68-1), 2,6-dimethylaniline(CAS No.:87-62-7), aniline (CAS No.:62-53-3), 2,2'-methylenedianiline(CAS No.:6582-52-1), 2,4'-methylenedianiline(CAS No.:1208-52-2).

mg/kg = milligram per kilogram

ND = not detected, less than MDL

MDL = method detection limit

Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Specific Release of Heavy Metals

Test Request: In accordance with DGCCRF Food contact suitability of metals and alloys – Fiche MCDA n° 1 (V02 – 01/04/2017), and European Directorate for the Quality of Medicines & Healthcare (EDQM)- Technical Guide on Metals and alloys used in food contact materials and articles (2nd Edition, 2024).

Test Method: With reference to European Directorate for the Quality of Medicines & Healthcare (EDQM)- Technical Guide on Metals and alloys used in food contact materials and articles (2nd Edition, 2024) for sample preparation and JRC Guidelines on testing conditions for kitchenware articles in contact with foodstuffs for test condition selection, analysis was performed by ICP-MS.

Simulant Used: 0.5% Citric acid

Test Condition: 2h at 70° C

Test Item(s)	Unit	MDL	Result			
			4			
			1 st + 2 nd Migration		3 rd Migration	
			Result	7xSRL ^{*2}	Result	SRL ^{*1}
Aluminum (Al)	mg/kg	0.5	ND	35	ND	5
Antimony (Sb)	mg/kg	0.01	ND	0.28	ND	0.04
Chromium (Cr)	mg/kg	0.05	0.06	7	ND	1
Cobalt (Co)	mg/kg	0.005	ND	0.14	ND	0.02
Copper (Cu)	mg/kg	0.5	ND	28	ND	4
Iron (Fe)	mg/kg	5	ND	280	ND	40
Manganese (Mn)	mg/kg	0.01	0.11	0.49/3.85 ^{*4}	0.02	0.07/0.55 ^{*4}
Molybdenum (Mo)	mg/kg	0.01	ND	0.84	ND	0.12
Nickel (Ni)	mg/kg	0.01	ND	0.98	ND	0.14
Silver (Ag)	mg/kg	0.01	ND	0.56	ND	0.08
Tin (Sn) ^{*3}	mg/kg	5	ND	700	ND	100
Vanadium (V)	mg/kg	0.001	ND	0.07	ND	0.01
Zinc (Zn)	mg/kg	0.5	ND	35	ND	5
Zirconium (Zr)	mg/kg	0.1	ND	14	ND	2
Arsenic (As)	mg/kg	0.0005	ND	0.014	ND	0.002
Barium (Ba)	mg/kg	0.1	ND	8.4	ND	1.2
Beryllium (Be)	mg/kg	0.001	ND	0.07	ND	0.01
Cadmium (Cd)	mg/kg	0.001	ND	0.035	ND	0.005
Lead (Pb)	mg/kg	0.001	ND	0.07	ND	0.01
Lithium (Li)	mg/kg	0.005	ND	0.336	ND	0.048
Mercury (Hg)	mg/kg	0.0005	ND	0.021	ND	0.003
Thallium (Tl)	mg/kg	0.0002	ND	0.007	ND	0.001
Magnesium (Mg)	mg/kg	0.1	ND	-	ND	-
Titanium (Ti)	mg/kg	0.1	ND	-	ND	-

Remark:

mg/kg =milligram per kilogram

MDL = method detection limit

ND = not detected (<MDL)

SRL = Specific Release Limit

TO BE CONTINUED

TEST RESULT

- *1 Compliance is established on the result from the third migration test for repeated used articles.
 - *2 Meantime, the sum of the results of the first and second tests should not exceed 7 times the SRL
 - *3 Except in field of application under Commission Regulation (EU) 2023/915
 - *4 SRL:0.07 mg/kg and 7xSRL:0.49 mg/kg particularly for materials and articles intended for contact with milk, milk products and other non-alcoholic drinks as well as any food especially intended for infants and toddlers; SRL:0.55 mg/kg and 7xSRL:3.85 mg/kg for the others.
- Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Specific Release of Heavy Metals

Test Request: To determine specific release of heavy metals for compliance with European Directorate for the Quality of Medicines & Healthcare (EDQM)- Technical Guide on Metals and alloys used in food contact materials and articles (2nd Edition, 2024).

Test Method: With reference to European Directorate for the Quality of Medicines & Healthcare (EDQM)- Technical Guide on Metals and alloys used in food contact materials and articles (2nd Edition, 2024) for sample preparation and JRC Guidelines on testing conditions for kitchenware articles in contact with foodstuffs for test condition selection, analysis was performed by ICP-MS.

Simulant Used: 0.5% Citric acid

Test Condition: 2h at 70° C

Test Item(s)	Unit	MDL	Result			
			4			
			1 st + 2 nd Migration		3 rd Migration	
			Result	7xSRL ^{*2}	Result	SRL ^{*1}
Aluminum (Al)	mg/kg	0.5	ND	35	ND	5
Antimony (Sb)	mg/kg	0.01	ND	0.28	ND	0.04
Chromium (Cr)	mg/kg	0.05	0.06	7	ND	1
Cobalt (Co)	mg/kg	0.005	ND	0.14	ND	0.02
Copper (Cu)	mg/kg	0.5	ND	28	ND	4
Iron (Fe)	mg/kg	5	ND	280	ND	40
Manganese (Mn)	mg/kg	0.01	0.11	0.49/3.85 ^{*4}	0.02	0.07/0.55 ^{*4}
Molybdenum (Mo)	mg/kg	0.01	ND	0.84	ND	0.12
Nickel (Ni)	mg/kg	0.01	ND	0.98	ND	0.14
Silver (Ag)	mg/kg	0.01	ND	0.56	ND	0.08
Tin (Sn) ^{*3}	mg/kg	5	ND	700	ND	100
Vanadium (V)	mg/kg	0.001	ND	0.07	ND	0.01
Zinc (Zn)	mg/kg	0.5	ND	35	ND	5
Zirconium (Zr)	mg/kg	0.1	ND	14	ND	2
Arsenic (As)	mg/kg	0.0005	ND	0.014	ND	0.002
Barium (Ba)	mg/kg	0.1	ND	8.4	ND	1.2
Beryllium (Be)	mg/kg	0.001	ND	0.07	ND	0.01
Cadmium (Cd)	mg/kg	0.001	ND	0.035	ND	0.005
Lead (Pb)	mg/kg	0.001	ND	0.07	ND	0.01
Lithium (Li)	mg/kg	0.005	ND	0.336	ND	0.048
Mercury (Hg)	mg/kg	0.0005	ND	0.021	ND	0.003
Thallium (Tl)	mg/kg	0.0002	ND	0.007	ND	0.001
Magnesium (Mg)	mg/kg	0.1	ND	-	ND	-
Titanium (Ti)	mg/kg	0.1	ND	-	ND	-

Remark:

mg/kg =milligram per kilogram

MDL = method detection limit

ND = not detected (<MDL)

SRL = Specific Release Limit

*1 Compliance is established on the result from the third migration test for repeated used articles.

TO BE CONTINUED

TEST RESULT

*2 Meantime, the sum of the results of the first and second tests should not exceed 7 times the SRL

*3 Except in field of application under Commission Regulation (EU) 2023/915

*4 SRL:0.07 mg/kg and 7xSRL:0.49 mg/kg particularly for materials and articles intended for contact with milk, milk products and other non-alcoholic drinks as well as any food especially intended for infants and toddlers; SRL:0.55 mg/kg and 7xSRL:3.85 mg/kg for the others.

Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Volatile Organic Matter (VOM)

Test Request: In accordance with French Décret 2007-766 and its amendments , and French Arrêté du 25 Novembre 1992.

Test Method: With reference to French Arrêté du November 1992 Annex III.

Test Item(s)	Unit	Limit	MDL	Result
				3
Volatile Organic Matter (VOM)	%	0.5	0.10	0.34

Remark:

Test Condition: 200°C, 4 hours

% = percentage of weight by weight, w/w

MDL = method detection limit

ND = not detected, less than MDL

Specific migration of Organotin (as tin)

Test Request: In accordance with French Décret 2007-766 and its amendments, and French Arrêté du 25 November 1992 for silicone materials.

Test Method: With reference to EN 13130-1:2004, analysis was performed by ICP-MS.

Simulant Used: Acetic Acid 3%

Test Condition: 2h at 70° C

Test Item(s)	Unit	Limit	MDL	Result		
				3		
				1 st	2 nd	3 rd
Organotin (as Tin)	mg/kg	0.1	0.01	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = not detected (<MDL)

TO BE CONTINUED

TEST RESULT

Specific Migration of Acrylonitrile

Test Request: To determine the Specific Migration of Acrylonitrile in accordance with Commission Regulation (EU) No. 10/2011 and its amendments.

Test Method: With reference to EN 13130-1:2004, EN 13130-3:2004, analysis was performed by HD-GC-MS.

Simulant Used: Acetic Acid 3%

Test Condition: 2h at 70° C

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					2		
					1 st	2 nd	3 rd
Acrylonitrile	107-13-1	mg/kg	Not Detectable	0.01	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

ND = not detected, less than MDL

MDL = method detection limit

Test condition & simulant were specified by client

Specific Migration of Acrylonitrile

Test Request: In accordance with Commission Regulation (EU) No 10/2011 and its amendments and DGCCRF Food contact suitability of organic materials from synthetic materials – Fiche MCDA n° 3 (V03-09/09/2021).

Test Method: With reference to EN 13130-1:2004, EN 13130-3:2004, analysis was performed by HD-GC-MS.

Simulant Used: Acetic Acid 3%

Test Condition: 2h at 70° C

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					2		
					1 st	2 nd	3 rd
Acrylonitrile	107-13-1	mg/kg	Not Detectable	0.01	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

ND = not detected, less than MDL

MDL = method detection limit

Test condition & simulant were specified by client

TO BE CONTINUED

TEST RESULT

Peroxide Value

Test Request: In accordance with French Décret 2007-766 and its amendments, and French Arrêté du 25 Novembre 1992 for silicone materials.

Test Method: With reference to European pharmacopoeia 9.0 part 2.5.5. Peroxide Value method A.

Test Item(s)	Unit	Limit	Result
			3
Peroxide Value	NO UNIT	Absent	Absent

Total Lead Content

Test Request: Total lead content as specified in entry 63 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 2015/628.

Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996
Acid digestion/ microwave digestion method was used and total lead content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result	
				1+2+3	4+5
Lead (Pb)	mg/kg	500	10	ND	ND

Remark:

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Polycyclic Aromatic Hydrocarbons (PAHs)

Test Request: Polycyclic Aromatic Hydrocarbons (PAHs) content as specified in Regulation (EU) 2015/326 amending entry 50 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: Solvent extraction and quantification by gas chromatography-mass selective detection (GC-MS) with respect to AfPS GS 2019:01 PAK

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					1+2+3
Benz(a)anthracene	56-55-3	mg/kg	1	0.2	ND
Chrysene	218-01-9	mg/kg	1	0.2	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	1	0.2	ND
Benzo(j)-fluoranthene	205-82-3	mg/kg	1	0.2	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	1	0.2	ND
Benzo(a)pyrene	50-32-8	mg/kg	1	0.2	ND
Dibenz(a,h)anthracene	53-70-3	mg/kg	1	0.2	ND
Benzo(e)pyrene	192-97-2	mg/kg	1	0.2	ND

Remarks:

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Total Cadmium Content

Test Request: Total cadmium content as specified in Commission Regulation (EU) 2016/217 amending entry 23 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996
Acid digestion/ microwave digestion method was used and total cadmium content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result
				1+2+3
Cadmium (Cd)	mg/kg	100	5	ND

Remark:

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Phthalates content

Test Request: Phthalates content as specified in entry 51&52 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) 2018/2005.

Test Method: IEC 62321-8:2017, solvent extraction and quantification by GC-MS.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					1+2+3
Dibutylphthalate (DBP)	84-74-2	%	-	0.005	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	-	0.005	ND
Di-isobutyl phthalate (DiBP)	84-69-5	%	-	0.005	ND
Sum (DBP + BBP + DEHP + DiBP)	-	%	0.1	-	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	-	0.005	ND
Diisononylphthalate (DINP)	28553-12-0	%	-	0.005	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND
Sum (DNOP + DINP + DIDP)	-	%	0.1	-	ND

Remarks:

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

1 mg/kg = 1 ppm = 0.0001%

MDL = method detection limit

ND = Not detected, less than MDL

“- “ = Not Regulated

TO BE CONTINUED

TEST RESULT

Total Bisphenol A (BPA) Content

Test Request: In accordance with DGCCRF French Décret 2007-766 and its amendments, French Law No. 2012/1442.

Test Method: With reference to EPA 3550C:2007, EPA 8321B:2007, solvent extraction and determination by LC-MS.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					1	2	3
Bisphenol A	80-05-7	mg/kg	ND	0.10	ND	ND	ND

Remarks:

1 mg/kg = 1 ppm = 0.0001%

MDL = method detection limit

ND = Not detected, less than MDL

Specific Migration of Bisphenol A

Test Request: To determine Specific Migration of Bisphenol A in accordance with Commission Regulation (EU) No 10/2011 and its amendments and Regulation (EU) 2024/3190

Test Method: With reference to EN 13130-1:2004, CEN/TS 13130-13:2005, analysis was performed by LC-MS/MS

Simulant Used: Acetic Acid 3%

Test Condition: 2h at 70° C

Test Item(s)	Unit	Limit	MDL	Result		
				3		
				1 st	2 nd	3 rd
Bisphenol A	µg/kg	Not Detected	1	ND	ND	ND

Remark:

µ g/kg = microgram per kilogram

ND = not detected, less than MDL

MDL = method detection limit

Test condition & simulant were specified by client

TO BE CONTINUED

TEST RESULT

Specific Migration of Bisphenol A

Test Request: To determine Specific Migration of Bisphenol A in accordance with Commission Regulation (EU) No 10/2011 and its amendments and Regulation (EU) 2024/3190, and DGCCRF Food contact suitability of organic materials from synthetic materials - Fiche MCDA n° 3 (V03-09/09/2021).

Test Method: With reference to EN 13130-1:2004, CEN/TS 13130-13:2005, analysis was performed by LC-MS/MS

Simulant Used: Acetic Acid 3%

Test Condition: 2h at 70° C

Test Item(s)	Unit	Limit	MDL	Result		
				3		
				1 st	2 nd	3 rd
Bisphenol A	µg/kg	Not Detected	1	ND	ND	ND

Remark:

µ g/kg = microgram per kilogram

ND = not detected, less than MDL

MDL = method detection limit

Test condition & simulant were specified by client

TO BE CONTINUED

TEST RESULT

BS EN 12875-1:2005

Mechanical dishwashing resistance of utensils-Part 1: Reference test method for domestic articles

1) Number of tested sample: 1 Piece

2) Number of controlled sample: 1 Piece

3) Test Procedure

Clause	Test item	Test methods
8.1	Preparation of test dish washer	When testing metal articles, after each regeneration of the ion exchanger with sodium chloride, run one test cycle(see 8.3) with no test specimens
8.2	Loading the test dishwasher	The test dishwasher shall be fully loaded, using dummy articles to fill excess capacity if necessary. Each specimen shall be placed in the appropriate basket making sure that the specimens will not come into contact with each other during testing. All surfaces shall be equally exposed to the water spray, and the specimens shall be positioned in a way that avoids the formation of water pools. It is permissible to simultaneously wash several different types of domestic articles of ceramic, glass, metal or plastics. Note The risk of interaction between different materials should be considered. Where there is such a risk, such specimens should not be tested together. If it is necessary to withdraw a test specimen during the test, it shall be replaced by a similar article.
8.3	Test cycle	The test cycle shall comprise the stages specified in EN 12875-1:2005
8.4	Parameter control	The parameters of the test cycle listed below shall be verified before starting the first test cycle and after every 10 th test cycles. as per client's request
8.5	Number of test cycles	Subject specimens to 10 test cycles, as per client's request

4) Test result:

Refer to BS EN 12875-2:2002

Mechanical dishwashing resistance of utensils-Part 2: Inspection of non-metallic articles

After 10 cycle(s)

Product No	Color	Gloss	Clouding	Resistant deposits and iridescent layers	Other aspects
A	0	0	-	0	0

TO BE CONTINUED

TEST RESULT

Table 1 – Inspection criteria

Articles with or without decoration	Colour ⁽¹⁾	gloss	Clouding	Resistant deposits and iridescent layers ⁽²⁾	Other aspects
Ceramic tableware	+	+		+	+(3) (4) (5)
Glass, glass ceramic ware	+	+	+(6)	+	+ (4) (5)
Vitreous enameled tableware	+	+		+	+(3) (4) (5)
Plastic articles	+	+	+(6)	+	+(3)(7)
(+) = to be inspected (1) If several colours are present on one article to be inspected, the colour with the greatest change shall be chosen. (2) For the elimination of easily removable deposits. (3) e.g. crazing. (4) The adherence of decorations shall be tested by repeated wiping with a moist cloth under slight pressure. (5) Abrasion which is caused by friction during the dishwasher treatment shall be disregarded. (6) Transparent articles only (7) Swelling, deformation, cracking, or delamination					

Table 2 – Evaluation of inspection criteria

Classification	Rating
0	No visible change
1	First discernible change
2	Clearly visible change

END OF THE REPORT