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# Test Report

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Report No. : AGC05443220909-001S1

**SAMPLE NAME** : Picnic backpack 4 people  
**MODEL NAME** : MO6740  
**APPLICANT** : MID OCEAN BRANDS B.V  
**STANDARD(S)** : Please refer to the following page(s).  
**DATE OF ISSUE** : Sep.28, 2022

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

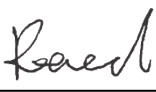


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Applicant : MID OCEAN BRANDS B.V  
Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.  
Test Site : 6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong,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


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

Sample Name : Picnic backpack 4 people  
Model : MO6740  
Country of origin : CHINA  
Country of destination : EUROPE  
Vendor code : 111587  
Sample Received Date : Sep.07, 2022  
Testing Period : Sep.07, 2022 to Sep.28, 2022

Approved by: 

Qinlian zhi, Reed

Laboratory Supervisor

Approved by: 

Liangdan, Jessie.Liang

Technical Director

Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Sep.22, 2022	Invalid	Initial release
S1	Sep.28, 2022	Valid	Additional test

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Test Requested:	Conclusion
1. As specified by client, to determine the Aromatic Amines Azodyes(AZO) content in the submitted sample(s) with reference to entry 43, Annex XVII of the REACH Regulation (EC) No 1907/2006.	<b>Pass</b>
2. As specified by client, to determine the Polycyclic-aromatic hydrocarbons (PAHs) content in the submitted sample(s) with reference to entry 50, Annex XVII of the REACH Regulation (EC) No 1907/2006.	<b>Pass</b>
3. As specified by client, to determine the Phthalates content in the submitted sample(s) with reference to entry 51&52, Annex XVII of the REACH Regulation (EC) No 1907/2006.	<b>Pass</b>
4. As specified by client, to determine the Cadmium(Cd) content in the submitted sample(s) with reference to entry 23, Annex XVII of the REACH Regulation (EC) No 1907/2006.	<b>Pass</b>
5. As specified by client, to determine the Lead(Pb) content in the submitted sample(s) with reference to entry 63, Annex XVII of the REACH Regulation (EC) No 1907/2006.	<b>Pass</b>
6. As specified by client, the following items are determined in the submitted sample with reference to Regulation 1935/2004/EC, Regulation(EU) No 10/2011& (EU)2018/213& (EU) 2020/1245 for PP: - Overall Migration (3% Acetic acid, 50% ethanol) - Bisphenol A(BPA) content - Specific Migration of Aromatic Amines - Specific Migration of Heavy metals	<b>Pass</b> <b>Pass</b> <b>Pass</b> <b>Pass</b>
7. As specified by client, to test sample with reference to food for compliance with Regulation 1935/2004/EC and Technical Guide on Metals and alloys used in food contact materials of Council of Europe Resolution CM/Res(2013)9. for metal: - Extractable heavy metal	<b>Pass</b>
8. As specified by client, to determined for mechanical dishwashing safe test.	/
9. As specified by client, to determined for microwave test.	/
10. As specified by client, to determine Colour fastness to rubbing in the submitted sample(s).	<b>Pass</b>

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**Test Result:**
**1. Test Result of Aromatic Amines Azodyes(AZO) Content**

Test Item	CAS No.	Test Method/ Instrument	MDL	Limit
4-Aminobiphenyl	92-67-1	EN ISO 14362-1:2017 / GC-MS	5mg/kg	≤30mg/kg
Benzidine	92-87-5		5mg/kg	≤30mg/kg
4-Chloro-o-Toluidine	95-69-2		5mg/kg	≤30mg/kg
2-Naphthylamine	91-59-8		5mg/kg	≤30mg/kg
4-amino-2',3-dimethylazobenzene	97-56-3		5mg/kg	≤30mg/kg
5-Nitro-o-toluidine	99-55-8		5mg/kg	≤30mg/kg
4-Chloroaniline	106-47-8		5mg/kg	≤30mg/kg
4-Methoxy-m-phenylenediamine	615-05-4		5mg/kg	≤30mg/kg
4,4'-Diaminodiphenylmethane	101-77-9		5mg/kg	≤30mg/kg
3,3'-Dichlorobenzidine	91-94-1		5mg/kg	≤30mg/kg
3,3'-Dimethoxybenzidine	119-90-4		5mg/kg	≤30mg/kg
3,3'-Dimethylbenzidine	119-93-7		5mg/kg	≤30mg/kg
4,4'-Methylenedi-o-toluidine	838-88-0		5mg/kg	≤30mg/kg
6-methoxy-m-toluidine	120-71-8		5mg/kg	≤30mg/kg
4,4'-methylenebis[2-chloroaniline]	101-14-4		5mg/kg	≤30mg/kg
4,4'-Oxydianiline	101-80-4		5mg/kg	≤30mg/kg
4,4'-Thiodianiline	139-65-1		5mg/kg	≤30mg/kg
2-Aminotoluene	95-53-4		5mg/kg	≤30mg/kg
4-methyl-m-phenylenediamine	95-80-7		5mg/kg	≤30mg/kg
2,4,5-Trimethylaniline	137-17-7		5mg/kg	≤30mg/kg
2-Methoxyaniline	90-04-0	5mg/kg	≤30mg/kg	
4-Aminoazobenzene <sup>a</sup>	60-09-3	5mg/kg	≤30mg/kg	

Note: <sup>a</sup> The EN ISO 14362-1:2017 methods will enable further cleavage of 4-aminoazobenzene to aniline and/or 1,4-phenylenediamine. If aniline and/or 1,4-phenylenediamine are detected, 4-aminoazobenzene shall be further determined by EN ISO 14362-3:2017.

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Test Item(s)	Result(s) (mg/kg)		
	1-1	1-2	1-7
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'-Dimethylbenzidine	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.
<b>Conclusion</b>	<b>Conformity</b>	<b>Conformity</b>	<b>Conformity</b>

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Test Item(s)	Result(s) (mg/kg)		
	1-9	1-11	1-12
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'-Dimethylbenzidine	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.
<b>Conclusion</b>	<b>Conformity</b>	<b>Conformity</b>	<b>Conformity</b>

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**2. Test Result of Polycyclic-aromatic hydrocarbons (PAHs)Content**

Test Item	Test Method/ Instrument	MDL	Limit
Benzo[a]pyrene (BaP) (CAS No.: 50-32-8)	AfPS GS 2019:01 PAK/ GC-MS	0.1mg/kg	Rubber or plastic components: Single≤1mg/kg
Benzo[e]pyrene(BeP) (CAS No.: 192-97-2)		0.1mg/kg	
Benzo[a]anthracene (BaA) (CAS No.: 56-55-3)		0.1mg/kg	
Benzo[b]fluoranthene (BbF) (CAS No.: 205-99-2)		0.1mg/kg	
Benzo[j]fluoranthene(BjFA) (CAS No.: 205-82-3 )		0.1mg/kg	
Benzo[k]fluoranthene (BkF) (CAS No.: 207-08-9 )		0.1mg/kg	
Chrysene (CHR) (CAS No.: 218-01-9 )		0.1mg/kg	
Dibenzo[a,h]anthracene (DBA) (CAS No.: 53-70-3)		0.1mg/kg	

Test Item(s)	Result(s) (mg/kg)			
	1-3	1-6	1-8	1-13
Benzo[a]pyrene (BaP)	N.D.	N.D.	N.D.	N.D.
Benzo[e]pyrene(BeP)	N.D.	N.D.	N.D.	N.D.
Benzo[a]anthracene (BaA)	N.D.	N.D.	N.D.	N.D.
Benzo[b]fluoranthene (BbF)	N.D.	N.D.	N.D.	N.D.
Benzo[j]fluoranthene(BjFA)	N.D.	N.D.	N.D.	N.D.
Benzo[k]fluoranthene (BkF)	N.D.	N.D.	N.D.	N.D.
Chrysene (CHR)	N.D.	N.D.	N.D.	N.D.
Dibenzo[a,h]anthracene (DBA)	N.D.	N.D.	N.D.	N.D.
Sum of PAHs	N.D.	N.D.	N.D.	N.D.
<b>Conclusion</b>	<b>Conformity</b>	<b>Conformity</b>	<b>Conformity</b>	<b>Conformity</b>

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Test Item(s)	Result(s) (mg/kg)			
	1-14	1-15	1-16	1-17
Benzo[a]pyrene (BaP)	N.D.	N.D.	N.D.	N.D.
Benzo[e]pyrene(BeP)	N.D.	N.D.	N.D.	N.D.
Benzo[a]anthracene (BaA)	N.D.	N.D.	N.D.	N.D.
Benzo[b]fluoranthene (BbF)	N.D.	N.D.	N.D.	N.D.
Benzo[j]fluoranthene(BjFA)	N.D.	N.D.	N.D.	N.D.
Benzo[k]fluoranthene (BkF)	N.D.	N.D.	N.D.	N.D.
Chrysene (CHR)	N.D.	N.D.	N.D.	N.D.
Dibenzo[a,h]anthracene (DBA)	N.D.	N.D.	N.D.	N.D.
Sum of PAHs	N.D.	N.D.	N.D.	N.D.
<b>Conclusion</b>	<b>Conformity</b>	<b>Conformity</b>	<b>Conformity</b>	<b>Conformity</b>

### 3. Test Result of Phthalates Content

Test Item	Test Method/ Instrument	MDL	Limit
Diisobutyl phthalate(DIBP) (CAS No.: 84-69-5)	EN 14372:2004/ GC-MS	0.010%	Single<0.1% Sum<0.1%
Dibutyl phthalate (DBP) (CAS No.: 84-74-2)		0.010%	
Butylbenzyl phthalate (BBP) (CAS No.: 85-68-7)		0.010%	
Di-(2-ethylhexyl) Phthalate (DEHP) (CAS No.: 117-81-7)		0.010%	Sum<0.1%
Di-n-octyl phthalate (DNOP) (CAS No.: 117-84-0)		0.010%	
Di-isononyl phthalate (DINP) (CAS No.: 28553-12-0;68515-48-0)		0.010%	
Di-isodecyl phthalate(DIDP) (CAS No.: 26761-40-0; 68515-49-1)		0.010%	

Test point	Test result (%)									Conclusion
	DIBP	DBP	BBP	DEHP	Sum(DIBP+DBP+BBP+DEHP)	DNOP	DINP	DIDP	Sum(DNOP+DINP+DIDP)	
1-3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	<b>Conformity</b>
1-6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	<b>Conformity</b>
1-8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	<b>Conformity</b>
1-13	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	<b>Conformity</b>
1-17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	<b>Conformity</b>

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Test point	Test result (%)									Conclusion	
	DIBP	DBP	BBP	DEHP	Sum(DIBP+DBP+BBP+DEHP)	DNOP	DINP	DIDP	Sum(DNOP+DINP+DIDP)		
1-22*	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Conformity

#### 4. Test Result of Cadmium(Cd)Content

Test Item	Cadmium(Cd) (CAS No.: 7440-43-9)
Limit(mg/kg)	<100
MDL(mg/kg)	10
Test Method/ Instrument	IEC 62321-5:2013/ ICP-OES

Test point	Test result (mg/kg)	Conclusion
	Cadmium(Cd)	
1-1	N.D.	Conformity
1-2	N.D.	Conformity
1-3	N.D.	Conformity
1-6	N.D.	Conformity
1-7	N.D.	Conformity
1-8	N.D.	Conformity
1-9	N.D.	Conformity
1-11	N.D.	Conformity
1-12	N.D.	Conformity
1-13	N.D.	Conformity
1-17	N.D.	Conformity
1-22*	N.D.	Conformity

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**5. Test Result of Lead(Pb)Content**

<b>Test Item</b>	Lead(Pb) (CAS No.: 7439-92-1)
<b>Limit(mg/kg)</b>	<500
<b>MDL(mg/kg)</b>	10
<b>Test Method/ Instrument</b>	IEC 62321-5:2013/ ICP-OES

Test point	Test result (mg/kg)	Conclusion
	Lead(Pb)	
1-1	N.D.	Conformity
1-2	N.D.	Conformity
1-3	N.D.	Conformity
1-	N.D.	Conformity
1-5	51	Conformity
1-6	267	Conformity
1-7	N.D.	Conformity
1-8	N.D.	Conformity
1-9	N.D.	Conformity
1-10	28	Conformity
1-11	N.D.	Conformity
1-12	N.D.	Conformity
1-13	N.D.	Conformity
1-17	N.D.	Conformity
1-21	N.D.	Conformity
1-22*	N.D.	Conformity
1-23*	N.D.	Conformity

**Note:**

mg/kg =milligram per kilogram  
MDL = Method Detection Limit

N.D.=Not Detected(less than method detection limit)

**Remark:**

- \*=As specified by client, the submitted samples were mixed to test.

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**6.1 Test Result(s) of Overall Migration**

 Unit: mg/dm<sup>2</sup>

Test Solution	Test condition	MDL	Test Result(s)			Limit
			1-13			
			1 <sup>st</sup> extractives	2 <sup>nd</sup> extractives	3 <sup>rd</sup> extractives	
3% Acetic acid	70°C, 2h	5	N.D.	N.D.	N.D.	10
50% Ethanol		5	N.D.	N.D.	N.D.	10
<b>Conclusion</b>	/	/	<b>Conformity</b>			/

 Unit: mg/dm<sup>2</sup>

Test Solution	Test condition	MDL	Test Result(s)			Limit
			1-14			
			1 <sup>st</sup> extractives	2 <sup>nd</sup> extractives	3 <sup>rd</sup> extractives	
3% Acetic acid	70°C, 2h	5	N.D.	N.D.	N.D.	10
50% Ethanol		5	N.D.	N.D.	N.D.	10
<b>Conclusion</b>	/	/	<b>Conformity</b>			/

 Unit: mg/dm<sup>2</sup>

Test Solution	Test condition	MDL	Test Result(s)			Limit
			1-15			
			1 <sup>st</sup> extractives	2 <sup>nd</sup> extractives	3 <sup>rd</sup> extractives	
3% Acetic acid	70°C, 2h	5	N.D.	N.D.	N.D.	10
50% Ethanol		5	N.D.	N.D.	N.D.	10
<b>Conclusion</b>	/	/	<b>Conformity</b>			/

 Unit: mg/dm<sup>2</sup>

Test Solution	Test condition	MDL	Test Result(s)			Limit
			1-16			
			1 <sup>st</sup> extractives	2 <sup>nd</sup> extractives	3 <sup>rd</sup> extractives	
3% Acetic acid	70°C, 2h	5	N.D.	N.D.	N.D.	10
50% Ethanol		5	N.D.	N.D.	N.D.	10
<b>Conclusion</b>	/	/	<b>Conformity</b>			/

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Unit: mg/dm<sup>2</sup>

Test Solution	Test condition	MDL	Test Result(s)			Limit
			1-17			
			1 <sup>st</sup> extractives	2 <sup>nd</sup> extractives	3 <sup>rd</sup> extractives	
3% Acetic acid	70°C, 2h	5	5.1	N.D.	N.D.	10
50% Ethanol		5	N.D.	N.D.	N.D.	10
<b>Conclusion</b>	/	/	<b>Conformity</b>			/

**Note:** -MDL=method detection limit  
-N.D.=not detected (less than method detection limit)

## 6.2 Test Result(s) of Bisphenol A(BPA) content

Unit: mg/kg

Test Item(s)	Test Method/ Equipment	MDL	Result(s)			Limit
			1-13	1-14	1-15	
Bisphenol A(BPA) content	EPA 3540C:1996 EPA 8321B:2007 LC-MS-MS	1	N.D.	N.D.	N.D.	Absent
<b>Conclusion</b>	/	/	<b>Conformity</b>	<b>Conformity</b>	<b>Conformity</b>	/

Unit: mg/kg

Test Item(s)	Test Method/ Equipment	MDL	Result(s)		Limit
			1-16	1-17	
Bisphenol A(BPA) content	EPA 3540C:1996 EPA 8321B:2007 LC-MS-MS	1	N.D.	N.D.	Absent
<b>Conclusion</b>	/	/	<b>Conformity</b>	<b>Conformity</b>	/

**Note:** -MDL=method detection limit  
-N.D.=not detected (less than method detection limit)

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### 6.3 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'-Dimethylbenzidine	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)		
	1-13	1-14	1-15
	3% Acetic acid 70°C, 2h	3% Acetic acid 70°C, 2h	3% Acetic acid 70°C, 2h
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'-Dimethylbenzidine	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.
<b>Conclusion</b>	<b>Conformity</b>	<b>Conformity</b>	<b>Conformity</b>

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Test Item(s)	Test Result(mg/kg)	
	1-16	1-17
	3% Acetic acid 70°C, 2h	3% Acetic acid 70°C, 2h
4-Aminobiphenyl	N.D.	N.D.
Benzidine	N.D.	N.D.
4-Chloro-o-Toluidine	N.D.	N.D.
2-Naphthylamine	N.D.	N.D.
4-amino-2',3-dimethylazobenzene	N.D.	N.D.
5-Nitro-o-toluidine	N.D.	N.D.
4-Chloroaniline	N.D.	N.D.
4-Methoxy-m-phenylenediamine	N.D.	N.D.
4,4'-Diaminodiphenylmethane	N.D.	N.D.
3,3'-Dichlorobenzidine	N.D.	N.D.
3,3'-Dimethoxybenzidine	N.D.	N.D.
3,3'-Dimethylbenzidine	N.D.	N.D.
4,4'-Methylenedi-o-toluidine	N.D.	N.D.
6-methoxy-m-toluidine	N.D.	N.D.
4,4'-methylenebis[2-chloroaniline]	N.D.	N.D.
4,4'-Oxydianiline	N.D.	N.D.
4,4'-Thiodianiline	N.D.	N.D.
2-Aminotoluene	N.D.	N.D.
4-methyl-m-phenylenediamine	N.D.	N.D.
2,4,5-Trimethylaniline	N.D.	N.D.
2-Methoxyaniline	N.D.	N.D.
4-Aminoazobenzene	N.D.	N.D.
1,3 phenylenediamine	N.D.	N.D.
Total of other primary aromatic amines	N.D.	N.D.
<b>Conclusion</b>	<b>Conformity</b>	<b>Conformity</b>

**Note:** -MDL=method detection limit  
-N.D.=not detected (less than method detection limit)

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**6.4 Test Result(s) of Migration of Heavy metals**

Test Item(s)	Test condition/ Equipment	MDL (mg/kg)	Test Result(s) (mg/kg)			Limit (mg/kg)
			1-13			
			1 <sup>st</sup> extractives	2 <sup>nd</sup> extractives	3 <sup>rd</sup> extractives	
Barium (Ba)	3% Acetic acid/ 70°C, 2h/ 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
<b>Conclusion</b>		/	<b>Conformity</b>			/
Ammonium (NH <sub>4</sub> <sup>+</sup> )		0.10	N.D.	N.D.	N.D.	/
Calcium (Ca)		0.01	0.245	0.792	0.028	/
Magnesium (Mg)		0.01	0.021	0.034	N.D.	/
Potassium (K)		0.01	0.029	N.D.	N.D.	/
Sodium (Na)		0.01	0.143	0.074	0.043	/

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Test Item(s)	Test condition/ Equipment	MDL (mg/kg)	Test Result(s) (mg/kg)			Limit (mg/kg)
			1-14			
			1 <sup>st</sup> extractives	2 <sup>nd</sup> extractives	3 <sup>rd</sup> extractives	
Barium (Ba)	3% Acetic acid/ 70°C, 2h/ 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
<b>Conclusion</b>		/	<b>Conformity</b>			/
Ammonium (NH <sub>4</sub> <sup>+</sup> )		0.10	N.D.	N.D.	N.D.	/
Calcium (Ca)		0.01	0.079	0.066	0.023	/
Magnesium (Mg)		0.01	0.011	N.D.	N.D.	/
Potassium (K)		0.01	0.013	N.D.	N.D.	/
Sodium (Na)		0.01	0.017	0.013	N.D.	/

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Test Item(s)	Test condition/ Equipment	MDL (mg/kg)	Test Result(s) (mg/kg)			Limit (mg/kg)
			1-15			
			1 <sup>st</sup> extractives	2 <sup>nd</sup> extractives	3 <sup>rd</sup> extractives	
Barium (Ba)	3% Acetic acid/ 70°C, 2h/ 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
<b>Conclusion</b>		/	<b>Conformity</b>			/
Ammonium (NH <sub>4</sub> <sup>+</sup> )		0.10	N.D.	N.D.	N.D.	/
Calcium (Ca)		0.01	0.462	0.263	0.049	/
Magnesium (Mg)		0.01	0.031	N.D.	N.D.	/
Potassium (K)		0.01	0.039	N.D.	N.D.	/
Sodium (Na)		0.01	0.163	0.015	0.043	/

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Test Item(s)	Test condition/ Equipment	MDL (mg/kg)	Test Result(s) (mg/kg)			Limit (mg/kg)
			1-16			
			1 <sup>st</sup> extractives	2 <sup>nd</sup> extractives	3 <sup>rd</sup> extractives	
Barium (Ba)	3% Acetic acid/ 70°C, 2h/ 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
<b>Conclusion</b>		/	<b>Conformity</b>			/
Ammonium (NH <sub>4</sub> <sup>+</sup> )		0.10	N.D.	N.D.	N.D.	/
Calcium (Ca)		0.01	2.261	0.848	0.572	/
Magnesium (Mg)		0.01	0.110	0.035	0.022	/
Potassium (K)		0.01	0.049	N.D.	0.014	/
Sodium (Na)		0.01	0.211	0.086	0.059	/

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Test Item(s)	Test condition/ Equipment	MDL (mg/kg)	Test Result(s) (mg/kg)			Limit (mg/kg)
			1-17			
			1 <sup>st</sup> extractives	2 <sup>nd</sup> extractives	3 <sup>rd</sup> extractives	
Barium (Ba)	3% Acetic acid/ 70°C, 2h/ 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
<b>Conclusion</b>		/	<b>Conformity</b>			/
Ammonium (NH <sub>4</sub> <sup>+</sup> )		0.10	N.D.	N.D.	N.D.	/
Calcium (Ca)		0.01	0.143	0.044	0.028	/
Magnesium (Mg)		0.01	0.016	N.D.	N.D.	/
Potassium (K)		0.01	0.023	N.D.	N.D.	/
Sodium (Na)		0.01	0.066	0.021	N.D.	/

**Note:** -MDL=method detection limit  
-N.D.=not detected (less than method detection limit)

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**7. Test result of Extractable heavy metal**

Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			1 <sup>st</sup> + 2 <sup>nd</sup> extractives	
			1-18	
Barium (Ba)	0.5% Citric acid / 70°C, 2h ICP-OES	0.1	N.D.	8.4
Copper (Cu)		0.1	N.D.	28
Iron (Fe)		0.1	0.365	280
Tin (Sn)		0.1	N.D.	700
Chromium (Cr)		0.01	N.D.	1.75
Manganese (Mn)		0.1	N.D.	12.6
Zinc (Zn)		0.1	N.D.	35
Aluminum (Al)		0.1	N.D.	35
Lithium (Li)		0.01	N.D.	0.336
Beryllium (Be)		0.005	N.D.	0.07
Vanadium (V)		0.005	N.D.	0.07
Nickel (Ni)		0.01	0.021	0.98
Cobalt (Co)		0.01	N.D.	0.14
Arsenic (As)		0.002	N.D.	0.014
Molybdenum (Mo)		0.01	N.D.	0.84
Silver (Ag)		0.01	N.D.	0.56
Cadmium (Cd)		0.002	N.D.	0.035
Antimony (Sb)		0.01	N.D.	0.28
Mercury (Hg)		0.002	N.D.	0.021
Thallium (Tl)		0.0001	N.D.	0.0007
Lead (Pb)	0.01	N.D.	0.07	
<b>Conclusion</b>		/	<b>Conformity</b>	/

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Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			3 <sup>rd</sup> extractives	
			1-18	
Barium (Ba)	0.5% Citric acid / 70°C, 2h ICP-OES	0.1	N.D.	1.2
Copper (Cu)		0.1	N.D.	4
Iron (Fe)		0.1	N.D.	40
Tin (Sn)		0.1	N.D.	100
Chromium (Cr)		0.01	N.D.	0.25
Manganese (Mn)		0.1	N.D.	1.8
Zinc (Zn)		0.1	N.D.	5
Aluminum (Al)		0.1	N.D.	5
Lithium (Li)		0.01	N.D.	0.048
Beryllium (Be)		0.005	N.D.	0.01
Vanadium (V)		0.005	N.D.	0.01
Nickel (Ni)		0.01	N.D.	0.14
Cobalt (Co)		0.01	N.D.	0.02
Arsenic (As)		0.002	N.D.	0.002
Molybdenum (Mo)		0.01	N.D.	0.12
Silver (Ag)		0.01	N.D.	0.08
Cadmium (Cd)		0.002	N.D.	0.005
Antimony (Sb)		0.01	N.D.	0.04
Mercury (Hg)		0.002	N.D.	0.003
Thallium (Tl)		0.0001	N.D.	0.0001
Lead (Pb)	0.01	N.D.	0.01	
<b>Conclusion</b>		/	<b>Conformity</b>	/

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Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			1 <sup>st</sup> + 2 <sup>nd</sup> extractives	
			1-19	
Barium (Ba)	0.5% Citric acid / 70°C, 2h ICP-OES	0.1	N.D.	8.4
Copper (Cu)		0.1	N.D.	28
Iron (Fe)		0.1	N.D.	280
Tin (Sn)		0.1	N.D.	700
Chromium (Cr)		0.01	N.D.	1.75
Manganese (Mn)		0.1	N.D.	12.6
Zinc (Zn)		0.1	N.D.	35
Aluminum (Al)		0.1	N.D.	35
Lithium (Li)		0.01	N.D.	0.336
Beryllium (Be)		0.005	N.D.	0.07
Vanadium (V)		0.005	N.D.	0.07
Nickel (Ni)		0.01	N.D.	0.98
Cobalt (Co)		0.01	N.D.	0.14
Arsenic (As)		0.002	N.D.	0.014
Molybdenum (Mo)		0.01	N.D.	0.84
Silver (Ag)		0.01	N.D.	0.56
Cadmium (Cd)		0.002	N.D.	0.035
Antimony (Sb)		0.01	N.D.	0.28
Mercury (Hg)		0.002	N.D.	0.021
Thallium (Tl)		0.0001	N.D.	0.0007
Lead (Pb)	0.01	N.D.	0.07	
<b>Conclusion</b>		/	<b>Conformity</b>	/

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Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			3 <sup>rd</sup> extractives	
			1-19	
Barium (Ba)	0.5% Citric acid / 70°C, 2h ICP-OES	0.1	N.D.	1.2
Copper (Cu)		0.1	N.D.	4
Iron (Fe)		0.1	N.D.	40
Tin (Sn)		0.1	N.D.	100
Chromium (Cr)		0.01	N.D.	0.25
Manganese (Mn)		0.1	N.D.	1.8
Zinc (Zn)		0.1	N.D.	5
Aluminum (Al)		0.1	N.D.	5
Lithium (Li)		0.01	N.D.	0.048
Beryllium (Be)		0.005	N.D.	0.01
Vanadium (V)		0.005	N.D.	0.01
Nickel (Ni)		0.01	N.D.	0.14
Cobalt (Co)		0.01	N.D.	0.02
Arsenic (As)		0.002	N.D.	0.002
Molybdenum (Mo)		0.01	N.D.	0.12
Silver (Ag)		0.01	N.D.	0.08
Cadmium (Cd)		0.002	N.D.	0.005
Antimony (Sb)		0.01	N.D.	0.04
Mercury (Hg)		0.002	N.D.	0.003
Thallium (Tl)		0.0001	N.D.	0.0001
Lead (Pb)	0.01	N.D.	0.01	
<b>Conclusion</b>		/	<b>Conformity</b>	/

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Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			1 <sup>st</sup> + 2 <sup>nd</sup> extractives	
			1-20	
Barium (Ba)	0.5% Citric acid / 70°C, 2h ICP-OES	0.1	N.D.	8.4
Copper (Cu)		0.1	N.D.	28
Iron (Fe)		0.1	0.319	280
Tin (Sn)		0.1	N.D.	700
Chromium (Cr)		0.01	N.D.	1.75
Manganese (Mn)		0.1	N.D.	12.6
Zinc (Zn)		0.1	N.D.	35
Aluminum (Al)		0.1	N.D.	35
Lithium (Li)		0.01	N.D.	0.336
Beryllium (Be)		0.005	N.D.	0.07
Vanadium (V)		0.005	N.D.	0.07
Nickel (Ni)		0.01	N.D.	0.98
Cobalt (Co)		0.01	N.D.	0.14
Arsenic (As)		0.002	N.D.	0.014
Molybdenum (Mo)		0.01	N.D.	0.84
Silver (Ag)		0.01	N.D.	0.56
Cadmium (Cd)		0.002	N.D.	0.035
Antimony (Sb)		0.01	N.D.	0.28
Mercury (Hg)		0.002	N.D.	0.021
Thallium (Tl)		0.0001	N.D.	0.0007
Lead (Pb)	0.01	N.D.	0.07	
<b>Conclusion</b>		/	<b>Conformity</b>	/

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Unit: mg/kg

Test Item(s)	Test condition/ Equipment	MDL	Test Result(s)	Limit
			3 <sup>rd</sup> extractives	
			1-20	
Barium (Ba)	0.5% Citric acid / 70°C, 2h ICP-OES	0.1	N.D.	1.2
Copper (Cu)		0.1	N.D.	4
Iron (Fe)		0.1	N.D.	40
Tin (Sn)		0.1	N.D.	100
Chromium (Cr)		0.01	N.D.	0.25
Manganese (Mn)		0.1	N.D.	1.8
Zinc (Zn)		0.1	N.D.	5
Aluminum (Al)		0.1	N.D.	5
Lithium (Li)		0.01	N.D.	0.048
Beryllium (Be)		0.005	N.D.	0.01
Vanadium (V)		0.005	N.D.	0.01
Nickel (Ni)		0.01	N.D.	0.14
Cobalt (Co)		0.01	N.D.	0.02
Arsenic (As)		0.002	N.D.	0.002
Molybdenum (Mo)		0.01	N.D.	0.12
Silver (Ag)		0.01	N.D.	0.08
Cadmium (Cd)		0.002	N.D.	0.005
Antimony (Sb)		0.01	N.D.	0.04
Mercury (Hg)		0.002	N.D.	0.003
Thallium (Tl)		0.0001	N.D.	0.0001
Lead (Pb)	0.01	N.D.	0.01	
<b>Conclusion</b>		/	<b>Conformity</b>	/

**Note:** -MDL=method detection limit  
-N.D.=not detected (less than method detection limit)

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**8. Test Result of mechanical dishwashing safe test:****Sample: White plastic(plate)**

Test method: BS EN 12875-1:2005

Washing temperature: 60°C

Number of cycle: Ten (10) cycles

Number of tested sample: 2(Two) pc(s).

Number of control sample: 1(One) pc(s).

For all tested plastic or metal articles:

- 1) No visible change of color, gloss and clouding was found on the tested samples after wash.
- 2) No visible deposit or iridescent layer was found on the tested samples after wash.
- 3) No visible swelling, deformation, cracking, crazing or delaminate on was found on the tested samples after wash.

**Sample: Transparent plastic(mug)**

Test method: BS EN 12875-1:2005

Washing temperature: 60°C

Number of cycle: Ten (10) cycles

Number of tested sample: 2(Two) pc(s).

Number of control sample: 1(One) pc(s).

For all tested plastic or metal articles:

- 1) No visible change of color, gloss and clouding was found on the tested samples after wash.
- 2) No visible deposit or iridescent layer was found on the tested samples after wash.
- 3) No visible swelling, deformation, cracking, crazing or delaminate on was found on the tested samples after wash.

**Sample: Transparent plastic(cruet)**

Test method: BS EN 12875-1:2005

Washing temperature: 60°C

Number of cycle: Ten (10) cycles

Number of tested sample: 2(Two) pc(s).

Number of control sample: 1(One) pc(s).

For all tested plastic or metal articles:

- 1) No visible change of color, gloss and clouding was found on the tested samples after wash.
- 2) No visible deposit or iridescent layer was found on the tested samples after wash.
- 3) No visible swelling, deformation, cracking, crazing or delaminate on was found on the tested samples after wash.

**Sample: Black plastic(cruet)**

Test method: BS EN 12875-1:2005

Washing temperature: 60°C

Number of cycle: Ten (10) cycles

Number of tested sample: 2(Two) pc(s).

Number of control sample: 1(One) pc(s).

For all tested plastic or metal articles:

- 1) No visible change of color, gloss and clouding was found on the tested samples after wash.
- 2) No visible deposit or iridescent layer was found on the tested samples after wash.
- 3) No visible swelling, deformation, cracking, crazing or delaminate on was found on the tested samples after wash.

**Sample: Black plastic(cutery)**

Test method: BS EN 12875-1:2005

Washing temperature: 60°C

Number of cycle: Ten (10) cycles

Number of tested sample: 2(Two) pc(s).

Number of control sample: 1(One) pc(s).

For all tested plastic or metal articles:

- 1) No visible change of color, gloss and clouding was found on the tested samples after wash.
- 2) No visible deposit or iridescent layer was found on the tested samples after wash.
- 3) No visible swelling, deformation, cracking, crazing or delaminate on was found on the tested samples after wash.

**Sample: Metal(knife/ fork/ spoon)**

Test method: BS EN 12875-1:2005

Washing temperature: 60°C

Number of cycle: Ten (10) cycles

Number of tested sample: 2(Two) pc(s).

Number of control sample: 1(One) pc(s).

For all tested plastic or metal articles:

- 1) No visible change of color, gloss and clouding was found on the tested samples after wash.
- 2) No visible deposit or iridescent layer was found on the tested samples after wash.
- 3) No visible swelling, deformation, cracking, crazing or delaminate on was found on the tested samples after wash.

**Sample: Metal(screw)**

Test method: BS EN 12875-1:2005

Washing temperature: 60°C

Number of cycle: Ten (10) cycles

Number of tested sample: 1(One) pc(s).

Number of control sample: 1(One) pc(s).

For all tested plastic or metal articles:

- 1) No visible change of color, gloss and clouding was found on the tested samples after wash.
- 2) No visible deposit or iridescent layer was found on the tested samples after wash.
- 3) No visible swelling, deformation, cracking, crazing or delaminate on was found on the tested samples after wash.

**9. Test Result of microwave test:**

**Sample: White plastic(plate)**

Test method: BS EN 15284-2007

Microwave power out: 533W

Short period: 135 s

Long period: 878 s

Number of tested sample: 1(One) pc(s).

Number of control sample: 1(One) pc(s).

Specimen(s)	Maximum handle temperature after short period of heating	Maximum surface temperature after long period of heating
1	/	80.2°C

For all tested plastic articles:

- 1) No visible change of color was found on the tested samples after test.
- 2) No visible cracking, deformation was found on the tested samples after test.
- 3) No melting, charring was found on the tested samples after wash.
- 4) The tested samples still suitability to re-use after test.

**Sample: Transparent plastic(mug)**

Test method: BS EN 15284-2007

Microwave power out: 533W

Short period: 135 s

Long period: 878 s

Number of tested sample: 3(three) pc(s).

Number of control sample: 1(One) pc(s).

Specimen(s)	Maximum handle temperature after short period of heating	Maximum surface temperature after long period of heating
1	/	62.6°C
2	/	72.3°C
3	/	74.4°C

For all tested plastic articles:

- 1) No visible change of color was found on the tested samples after test.
- 2) No visible cracking, deformation was found on the tested samples after test.
- 3) No melting, charring was found on the tested samples after wash.
- 4) The tested samples still suitability to re-use after test.

**Sample: Transparent plastic(cruet)**

Test method: BS EN 15284-2007

Microwave power out: 533W

Short period: 135 s

Long period: 878 s

Number of tested sample: 1(One) pc(s).

Number of control sample: 1(One) pc(s).

Specimen(s)	Maximum handle temperature after short period of heating	Maximum surface temperature after long period of heating
1	/	66.6°C

For all tested plastic articles:

- 1) No visible change of color was found on the tested samples after test.
- 2) No visible cracking, deformation was found on the tested samples after test.
- 3) No melting, charring was found on the tested samples after wash.
- 4) The tested samples still suitability to re-use after test.

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**Sample: Black plastic(cruet)**

Test method: BS EN 15284-2007

Microwave power out: 533W

Short period: 135 s

Long period: 878 s

Number of tested sample: 1(One) pc(s).

Number of control sample: 1(One) pc(s).

Specimen(s)	Maximum handle temperature after short period of heating	Maximum surface temperature after long period of heating
1	/	66.7°C

For all tested plastic articles:

- 1) No visible change of color was found on the tested samples after test.
- 2) No visible cracking, deformation was found on the tested samples after test.
- 3) No melting, charring was found on the tested samples after wash.
- 4) The tested samples still suitability to re-use after test.

#### 10. Test Results of Colour fastness to rubbing

**Test Method:** ISO 105-X12:2016

**Rubbing finger:** Cylinder

**The time of conditioning as well as the atmospheric conditions during testing:** 20°C, 65 %R.H., 4hrs

**The long direction of the specimen:** Warp/Weft

**The percentage of soak of wet rubbing cloth:** 95%~100%

Test point	Test Result		Conclusion
	Colour fastness to rubbing / (Grade)		
	Dry rubbing	Wet rubbing	
1-1	4-5	4-5	Conformity
1-2	4-5	4-5	Conformity
1-7	4-5	4-5	Conformity
1-11	4-5	4-5	Conformity
<b>Limit (Client's Requirement)</b>	≥2-3	≥2-3	/

**Note:**

Colour Fastness Grade:

Grade 5 = No Colour Change (Best Grade)

Grade 1 = Colour Change Seriously (Bad Grade)

9 grades in gray sample card: 5, 4-5, 4, 3-4, 3, 2-3, 2, 1-2, 1.



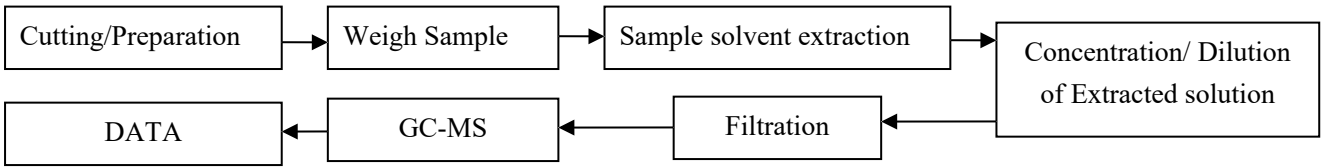
**Test Point Description**

Test point	Test point description
1	Picnic backpack 4 people
1-1	Outer grey fabric(bag)
1-2	Black webbing(bag)
1-3	Black PU(bag)
1-4	Metal buckle(bag)
1-5	Metal pin(bag)
1-6	Black plastic buckle(bag)
1-7	Grey mesh(bag)
1-8	Zipper grey plastic(bag)
1-9	Zipper grey fabric(bag)
1-10	Metal zipper(bag)
1-11	Grey lining(bag)
1-12	Grey elastic band(bag)
1-13	White plastic(plate)
1-14	Transparent plastic(mug)
1-15	Transparent plastic(cruet)
1-16	Black plastic(cruet)
1-17	Black plastic(cutery)
1-18	Metal(knife)
1-19	Metal(fork)
1-20	Metal(spoon)
1-21	Metal(screw)
1-22	Transparent plastic(mug)+Transparent plastic(cruet)+Black plastic(cruet)

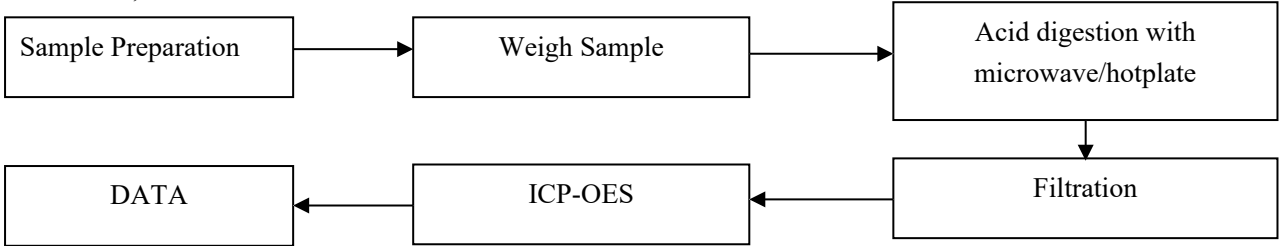
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

### Test Flow Chart

1. For Phthalates, PAHS, AZO



2. For Cd, Pb



### The photo of the sample



**AGC05443220909-001S1**

AGC authenticate the photo only on original report

\*\*\* End of Report \*\*\*

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.



## Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd. (the “Company”) solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the “Clients”).
2. Any report issued by Company as a result of this application for testing services (the “Report”) shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
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.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by [agc01@agccert.com](mailto:agc01@agccert.com).