

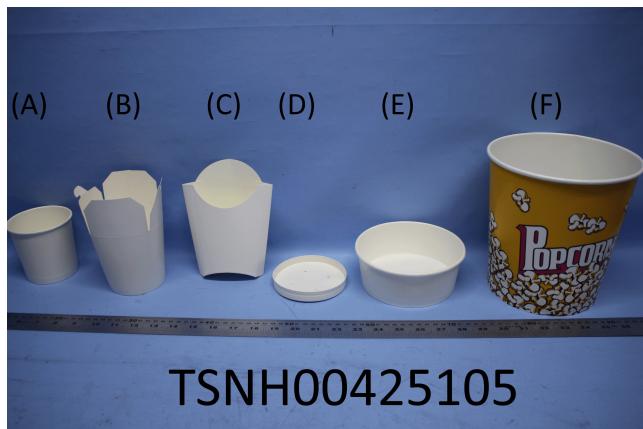
## Test Report

NUMBER : TSNH00425105

Applicant : Xiamen Jeafer Industry&Trading Co.,Ltd  
No. 766-3, Fengnan Road, Tongan District, Xiamen, Fujian,  
China  
Attn : Vicky Chen

Date : Jul 28, 2022

Photo



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To be continued

Authorized By :  
For Intertek Testing Services  
(Tianjin) Ltd.

David Zhang  
Senior Manager



**Test Report**

NUMBER : TSNH00425105

**Sample Description:**

Six (6) submitted sample said to be  
(A) Paper cup  
(B) Paper box  
(C) Paper noodle box  
(D) Paper lid  
(E) Paper bowl  
(F) Paper bucket

Item Name : PAPER BUCKET, PAPER SALAD BOWL, PAPER SOUP CUP, PAPER NOODLE BOX, PAPER LID, PAPER TRAY, PAPER CUP

Material : PE film paper

Remark: As per client's requirement, only sample (A) was tested.

**Tests Conducted:**

As requested by the applicant, for details refer to attached page(s).

**Conclusion:**

<u>Tested component</u>	<u>Standard</u>	<u>Result</u>
(1)	European Commission Regulation No. 10/2011, amendment No. 2020/1245 and other amendments and Regulation No. 1935/2004 - Overall migration	Pass
(1)	European Commission Regulation No. 10/2011 Annex II and Amendment No. 2016/1416 and No. 2017/752 and No. 2020/1245 and Regulation 1935/2004 on specific migration of heavy metal content	Pass
(1)	European Commission Regulation No. 10/2011 Annex I and II and Amendment No. 2020/1245 and Regulation 1935/2004 on specific migration of primary aromatic amines	Pass

To be continued

Authorized By :  
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David Zhang  
Senior Manager



**Test Report**

NUMBER : TSNH00425105

**1. Overall Migration Test for Plastic Food Contacting Materials/Articles**

As per Commission Regulation (EU) No. 10/2011 and its amendments on plastic materials and articles intended to come into contact with food.

**I. Test Condition:**

Aqueous food simulant	
Test No.	Time and Temperature
OM3	2 hours at 70 °C

**II. Test Results:**

<u>Tested Component</u>	<u>Result in mg/dm<sup>2</sup></u>
	10% (v/v) ethanol
1 <sup>st</sup>	
(1)	<1
Limit in mg/dm <sup>2</sup>	10

**Requirement:**

Result of 3<sup>rd</sup> migration < SML, and

Result of 1<sup>st</sup> migration ≥ 2<sup>nd</sup> migration ≥ 3<sup>rd</sup> migration after consideration of result uncertainty.

Ratio of food contact surface area to volume of component (1) used to establish the compliance of material or article = 2.3dm<sup>2</sup> : 400 mL.

**Remark:**

As per client's request, the above condition and food simulant was used for the test.

Tested Components: (1) Internal plastic film for sample(A) use

As per client's request, only conduct one trial of test.

To be continued



**Test Report**

NUMBER : TSNH00425105

**2. Specific Migration of Heavy Metal**

As per Commission Regulation (EU) No. 10/2011 and its amendments.

**I. Test condition:**

Food simulant: 3% (w/v) Acetic acid

Temperature: 70 °C Time: 2 hours

**II. Test result:**

<u>Element</u>	<u>Result (mg/kg)</u>	<u>Detection limit (mg/kg)</u>	<u>Limit (mg/kg)</u>
	<u>1<sup>st</sup> migration</u>		
Aluminum(Al)	ND	0.1	1
Antimony(Sb)	ND	0.01	0.04
Arsenic(As)	ND	0.01	ND
Barium(Ba)	ND	0.1	1
Cadmium(Cd)	ND	0.002	ND
Chromium(Cr)	ND	0.01	ND
Cobalt(Co)	ND	0.03	0.05
Copper(Cu)	ND	1	5
Iron(Fe)	ND	5	48
Lead(Pb)	ND	0.01	ND
Lithium(Li)	ND	0.1	0.6
Manganese(Mn)	ND	0.1	0.6
Mercury(Hg)	ND	0.01	ND
Nickel(Ni)	ND	0.01	0.02
Zinc(Zn)	ND	1	5
Europium(Eu)	ND	0.01	0.05
Gadolinium(Gd)	ND	0.01	0.05
Lanthanum(La)	ND	0.01	0.05
Terbium(Tb)	ND	0.01	0.05
Sum of (Eu, Gd, La, Tb)	ND	0.04	0.05

**Requirement:**Result of 3<sup>rd</sup> migration < SML, andResult of 1<sup>st</sup> migration ≥ 2<sup>nd</sup> migration ≥ 3<sup>rd</sup> migration after consideration of result uncertainty.Result of 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> migration < SML when SML limit is Not Detected (ND)Ratio of food contact surface area to volume of component (1) used to establish the compliance of material or article = 2.3dm<sup>2</sup> : 400 mL

Remark: ND = Not detected(less than detection limit)

As per client's request, the above condition and food simulant was used for the test.

Tested component(s) : (1) Internal plastic film for sample(A) use

As per client's request, only conduct one trial of test.

To be continued



**Test Report**

NUMBER : TSNH00425105

**3. Specific Migration of Primary Aromatic Amines**

With reference to Commission Regulation (EU) No. 10/2011 and its amendments, and JRC Technical Guidelines EUR 24815 EN 2011.

**I. Test condition:**

Food simulant: 3% (w/v) Acetic acid

Temperature: 70 °C      Time: 2 hours

**II. Test Result:**

Test Component:						
Test Item	CAS No.	Result (mg/kg)			Detection Limit (mg/kg)	Limit (mg/kg)
		1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration		
1 4-Aminodiphenyl	92-67-1	ND	ND	ND	0.002	ND
2 Benzidine	92-87-5	ND	ND	ND	0.002	ND
3 4-Chloro-o-Toluidine	95-69-2	ND	ND	ND	0.002	ND
4 2-Naphthylamine	91-59-8	ND	ND	ND	0.002	ND
5 o-Aminoazotoluene	97-56-3	ND	ND	ND	0.002	ND
6 2-Amino-4-Nitrotoluene	99-55-8	ND	ND	ND	0.002	ND
7 p-Chloroaniline	106-47-8	ND	ND	ND	0.002	ND
8 2,4-Diaminoanisole	615-05-4	ND	ND	ND	0.002	ND
9 4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	ND	0.002	ND
10 3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	0.002	ND
11 3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	0.002	ND
12 3,3'-Dimethylbenzidine	119-93-7	ND	ND	ND	0.002	ND
13 3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	ND	ND	ND	0.002	ND
14 p-Cresidine	120-71-8	ND	ND	ND	0.002	ND
15 4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	ND	ND	ND	0.002	ND
16 4,4'-Oxydianiline	101-80-4	ND	ND	ND	0.002	ND
17 4,4'-Thiodianiline	139-65-1	ND	ND	ND	0.002	ND
18 o-Toluidine	95-53-4	ND	ND	ND	0.002	ND
19 2,4-Toluenediamine	95-80-7	ND	ND	ND	0.002	ND
20 2,4,5-Trimethylaniline	137-17-7	ND	ND	ND	0.002	ND
21 o-Anisidine	90-04-0	ND	ND	ND	0.002	ND
22 4-Aminoazobenzene	60-09-3	ND	ND	ND	0.002	ND
23 m-Phenylenediamine	108-45-2	ND	ND	ND	0.002	ND
24 Benzoguanamin	91-76-9	ND	ND	ND	0.05	5
25 4,4'-Methylenebis(3-chloro-2,6-diethylaniline)	106246-33-7	ND	ND	ND	0.01	0.05
26 Total of other primary aromatic amine	-	ND	ND	ND	0.01	0.01

To be continued



## Test Report

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Requirement:

Result of 3<sup>rd</sup> migration < SML, and

Result of 1<sup>st</sup> migration ≥ 2<sup>nd</sup> migration ≥ 3<sup>rd</sup> migration after consideration of result uncertainty.

Result of 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> migration < SML when SML limit is Not Detected (ND)

Ratio of food contact surface area to volume of component (1) used to establish the compliance of material or article = 1.3dm<sup>2</sup> : 300 mL.

Remark: ND = Not detected (less than detection limit)

Other primary aromatic amines are p-Phenylenediamine, Aniline, 2,4-Xylidine, 2,6-Xylidine, 3-Methoxyaniline, 2,6-Toluene-diamine, 1,5-Diaminonaphthalene, 4-Ethoxyaniline, 3-Amino-4-methoxybenzanilide, 3-Amino-4-methylbenzamide, 2-Amino-5-methylbenzoic acid

Tested component : (1) Internal plastic film for sample(A) use

Date Sample Received : Jul 14,2022

Testing Period : Jul 14,2022 to Jul 27,2022

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End of report

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