

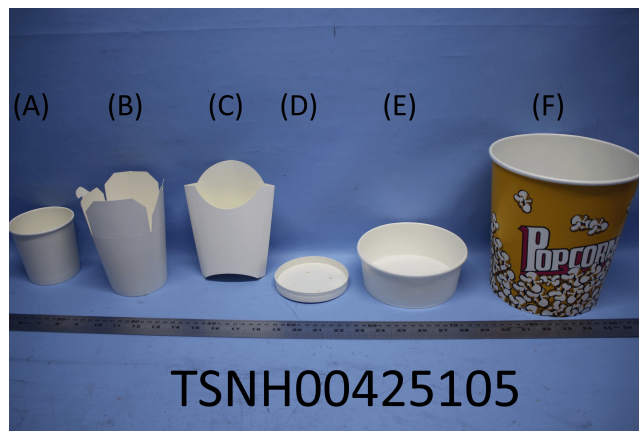
Test Report

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



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 NOODEL 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

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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:

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

Requirement:

Result of 3rd migration < SML, and

Result of 1st migration ≥ 2nd migration ≥ 3rd 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 = 2.3dm² : 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

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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:

Test Component: (1)			
Element	Result (mg/kg)	Detection limit	Limit (mg/kg)
	1 st migration	(mg/kg)	
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 3rd migration < SML, and

Result of 1st migration ≥ 2nd migration ≥ 3rd migration after consideration of result uncertainty.

Result of 1st, 2nd and 3rd 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 = $2.3\text{dm}^2 : 400\text{ mL}$.

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



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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 st migration	2 nd migration	3 rd 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-Toluylenediamine	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-Phenylendiamine	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



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Requirement:

Result of 3rd migration < SML, and

Result of 1st migration \geq 2nd migration \geq 3rd migration after consideration of result uncertainty.

Result of 1st, 2nd and 3rd 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^2 : 300 mL.

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

Other primary aromatic amines are p-Phenyldiamine, Aniline, 2,4-Xyldine, 2,6-Xyldine, 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

End of report

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