

**Report No.:** THFJ24010454006EN **Job No.:** 54006 **Date:** January 17, 2024

The following information was/were submitted and identified by/on behalf of the client:

Applicant : Xiamen Fujin New Materials Co., Ltd

Address : 5th Floor, Siming Industrial Park, No. 25 Meixi Road, Xike Town, Tong'an District,

Xiamen City

Sample Name : Pe bag

Sample Model : /

Exported to : Europe U.S.A

Country of Origin : China

Sample Receive Date : January 05, 2024

Sample Testing Period : January 05, 2024---January 17, 2024

Test Result Summary

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

TEST ITEM(S)	TEST REQUESTED	CONCLUSION(S)
Overall Migration	Commission Regulation (EU) No. 10/2011 and its amendment Commission Regulation (EU) 2020/1245	PASS
Specific Migration of Heavy Metals	Commission Regulation (EU) No. 10/2011 and its amendment Commission Regulation (EU) 2020/1245	PASS
Bisphenol A (BPA) content	Commission Regulation EU No. 10/2011 and its amendment Commission Implementing Regulation (EU) 2018/213	PASS

on behalf of

nghai Global Testing Services Co., Ltd.

Authorized Signature

Shi Lei/Kevin

General Manager -GTS/SHO

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Test Result(s):

#### **Test Sample Description:**

Sample No.	Client Claimed Material	Material Description	
<u>01</u>	PE	Transparent plastic bag	

#### 1. Overall Migration

Test Method: With reference to Commission Regulation (EU) No. 10/2011 of 14 January 2011 Annex III and Annex V for selection of conditions and EN 1186- 1:2002 for selection of test methods; EN 1186-3:2022 Test methods for overall migration in evaporable stimulants

EN 1186-2:2022 Test methods for overall migration in vegetable oils

			Result(s) (mg/dm²)
Simulant used	Test condition	Limit (mg/dm²)	<u>01</u>
			1st Migration
10% Ethanol (V/V) Aqueous Solution	10 days at 40℃	10	< 3.0
3% Acetic Acid (W/V) Aqueous Solution	10 days at 40℃	10	< 3.0
Rectified Olive Oil	10 days at 40℃	10	< 3.0
Conclusion(s)			PASS

**Note:** 1. mg/dm<sup>2</sup> = milligram per square decimeter of sample;

- 2. "<" = less than;
- 3. Analytical tolerances of aqueous food simulants is 2 mg/dm<sup>2</sup>;
- 4. Analytical tolerances of fatty foodsimulants is 3 mg/dm<sup>2</sup>;
- 5. The test condition was assigned by client.



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#### 2. Specific Migration of Heavy Metals

Test Method: With reference to Commission Regulation (EU) No. 10/2011 of 14 January 2011 Annex III and Annex V for selection of conditions and EN 13130-1:2004 for selection of test methods, followed by analysis was performed by ICP-MS.

Sample No.	<u>01</u>		
Simulant used	3% Acetic Acid (W/V) Aqueous Solution		
<u>Test condition</u>	10 days at 40℃		
Toot Itama	Linett (manthem)	RL (mg/kg)	Result(s) (mg/kg)
<u>Test Items</u>	<u>Limit (mg/kg)</u>		1st Migration
Aluminium(AI)	1	0.1	N.D.
Antimony(Sb)	0.04	0.01	N.D.
Arsenic(As)	N.D.	0.01	N.D.
Barium(Ba)	1	0.1	N.D.
Cadmium(Cd)	N.D.	0.002	N.D.
Total Chromium(Cr)	N.D.	0.01	N.D.
Cobalt(Co)	0.05	0.01	N.D.
Copper(Cu)	5	0.1	N.D.
Iron(Fe)	48	0.1	N.D.
Lead(Pb)	N.D.	0.01	N.D.
Lithium(Li)	0.6	0.1	N.D.
Manganese(Mn)	0.6	0.1	N.D.
Mercury(Hg)	N.D.	0.01	N.D.
Nickel(Ni)	0.02	0.01	N.D.
Zinc(Zn)	5	0.1	N.D.
Europium(Eu)	-	0.01	N.D.
Gadolinium(Gd)	-	0.01	N.D.
Lanthanum(La)	-	0.01	N.D.
Terbium(Tb)	-	0.01	N.D.
Sum of Lanthanide substances	0.05	0.01	N.D.
Conclusion(s)			PASS

**Note:** 1. mg/kg = milligram per kilogram food simulant;

- 2. "<" = less than;
- 3. The test condition was assigned by client.



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### 3. Bisphenol A (BPA) content

Test Method: Solvent extraction, analysis was performed by GC-MS

Ref. Std.: US EPA 3550C:2007, US EPA 8270E:2018

Sample No.	<u>Unit</u>	<u>Limit</u>	MDL	Result(s)
<u>01</u>	mg/kg	Absent	0.10	N.D.
Conclusion(s)				PASS

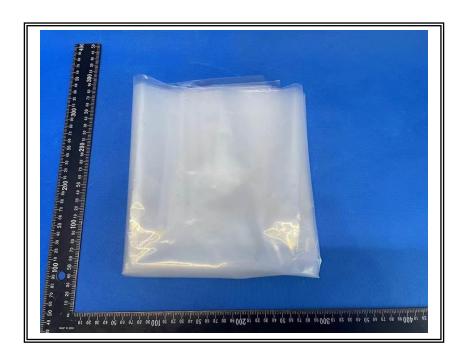
#### Note:

- 1. 0. 1% = 1000mg/kg, milligram per kilogram sample;
- 2. MDL = Method Detection Limit;
- 3. N.D. = Not Detected (<MDL).



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Sample Photo(s):



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