



Test Report

NTS2512062RR

Date: Dec. 12, 2025

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TEST REPORT

Applicant : Sichuan Zhenronghong New Material Co., Ltd.
Address : No. 1388, East Kesheng Road, Chengdu Cross-Strait Science and Technology Industrial Development Park, Wenjiang District, Chengdu, Sichuan, China.
Manufacturer : Sichuan Zhenronghong New Material Co., Ltd.
Address : No. 1388, East Kesheng Road, Chengdu Cross-Strait Science and Technology Industrial Development Park, Wenjiang District, Chengdu, Sichuan, China.

The following sample(s) was/were submitted and identified on behalf of the clients as :

Sample name: Plastic packaging bag
Model No. : 160*240*9.5
Material : Polyamide+Polyethylene
Trade mark: Zhenrong Hong

Date of Sample Received : Dec. 06, 2025

Testing Period : Dec. 06, 2025 - Dec. 12, 2025

Test Requested : In accordance with Commission Regulation (EC) No 2023/2006, DM 21/03/73, No. 2020/11245, (EU) NO. 10/2011, (EC) No. 1935/2004 and AP(2004)5, M/Res (2020) 9, CM/Res (2013) 9, AP (2004) 4, LFGB, AfPS and ProdSG, DGCCRF on Plastic intended to come into contact with food.

Test Method :
1.- DI Water Migration: With reference to UNI EN1186-3: 2022
- 3% Acetic Acid Migration: With reference to UNI EN1186-3: 2022
- 20% Ethanol Migration: With reference to UNI EN1186-3: 2022
- 50% Ethanol Migration: With reference to UNI EN1186-3: 2022
2. With reference to EN 13130-1:2004
3. With reference to EN 13130-1:2004

Test Results : Please refer to next page(s).

Conclusion : **PASS**

Signed for and on behalf of
Shenzhen NOWD Testing Services Co., Ltd.

Jeremy Xie

Jeremy Xie
Approved Signatory



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<http://www.nowd.com.cn>



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TEST RESULT

Summary of test results:

Test Requested	Conclusion
Regulation (EC) No 1935/2004 & Regulation EU (No) 10/2011 and its amendment & Council of Europe Resolution AP(2004) 5 & AP(89)1	
Overall Migration	Pass
Primary Aromatic Amine migration	Pass
Specific Migration of 19 Heavy Metals	Pass
Sensorial examination - odour and taste test	Pass

Test Part Description :

Specimen No.	Color and Material
<u>1</u>	Plastic packaging bag

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1. Overall Migration:

Parameter		Unit	Maximum Limit	Result	Conclusion	
				1		
-DIWater, 70°C, 2h	1 st migration	mg/dm ²	10	< 3	Pass	
	2 nd migration	mg/dm ²	10	< 3		
	3 rd migration	mg/dm ²	10	< 3		
- 3% Acetic Acid, 70°C, 2h	1 st migration	mg/dm ²	10	< 3	Pass	
	2 nd migration	mg/dm ²	10	< 3		
	3 rd migration	mg/dm ²	10	< 3		
- 20% Ethanol, 70°C, 2h	1 st migration	mg/dm ²	10	< 3	Pass	
	2 nd migration	mg/dm ²	10	< 3		
	3 rd migration	mg/dm ²	10	< 3		
- 50% Ethanol, 70°C, 2h	1 st migration	mg/dm ²	10	< 3	Pass	
	2 nd migration	mg/dm ²	10	< 3		
	3 rd migration	mg/dm ²	10	< 3		
- Olive oil substitute	95% Ethanol, 60°C, 2h	1 st migration	mg/dm ²	10	< 3	Pass
		2 nd migration	mg/dm ²	10	< 3	
		3 rd migration	mg/dm ²	10	< 3	
- Isooctane, 40°C, 0.5h	1 st migration	mg/dm ²	10	< 3	Pass	
	2 nd migration	mg/dm ²	10	< 3		
	3 rd migration	mg/dm ²	10	< 3		

Note:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/dm² = milligram per square decimeter

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2. Primary Aromatic Amine migration:

Test Items		Unit	Limit0.01	Result	Conclusion
				<u>1</u>	
Primary Aromatic Amine migration	1 st migration	mg/kg	0.01	< 0.01	Pass
	2 nd migration	mg/kg	0.01	< 0.01	
	3 rd migration	mg/kg	0.01	< 0.01	

Note:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = milligram per kilogram



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3, Heavy metal migration :

Test Items	Unit	Limit	Result	Conclusion
			<u>1</u>	
Barium (Ba) 3% Acetci Acid, 100°C, 0.5h	mg/kg	1.0	< 0.26	Pass
Cobalt (Co) 3% Acetci Acid, 100°C, 0.5h	mg/kg	0.05	< 0.01	Pass
Copper migration (Cu) 3% Acetci Acid, 100°C, 0.5h	mg/kg	5.0	< 0.27	Pass
Ferrum migration (Fe) 3% Acetci Acid, 100°C, 0.5h	mg/kg	48.0	< 0.26	Pass
Lithium migration (Li) 3% Acetci Acid, 100°C, 0.5h	mg/kg	0.6	< 0.49	Pass
Manganese migration (Mn) 3% Acetci Acid, 100°C, 0.5h	mg/kg	0.6	< 0.27	Pass
Zinc (Zn) 3% Acetci Acid, 100°C, 0.5h	mg/kg	5.0	< 0.51	Pass
Aluminum (Al) 3% Acetci Acid, 100°C, 0.5h	mg/kg	1.0	< 0.01	Pass
Nickel (Ni) 3% Acetci Acid, 100°C, 0.5h	mg/kg	0.02	< 0.01	Pass
Arsenic (As) 3% Acetci Acid, 100°C, 0.5h	mg/kg	N.D	N.D	Pass
Antimony (Sb) 3% Acetci Acid, 100°C, 0.5h	mg/kg	0.04	< 0.01	Pass

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Cadmium (Cd) 3% Acetci Acid, 100°C, 0.5h	mg/kg	N.D	N.D	Pass
Chromium (Cr) 3% Acetci Acid, 100°C, 0.5h	mg/kg	N.D	N.D	Pass
Europium (Eu) 3% Acetci Acid, 100°C, 0.5h	mg/kg	0.05	< 0.01	Pass
Gadolinium (Gd) 3% Acetci Acid, 100°C, 0.5h	mg/kg	0.05	< 0.01	Pass
Lanthanum (La) 3% Acetci Acid, 100°C, 0.5h	mg/kg	0.05	< 0.01	Pass
Terbium (Tb) 3% Acetci Acid, 100°C, 0.5h	mg/kg	0.05	< 0.01	Pass
Lead (Pb) 3% Acetci Acid, 100°C, 0.5h	mg/kg	N.D	N.D	Pass
Mercury (Hg) 3% Acetci Acid, 100°C, 0.5h	mg/kg	N.D	N.D	Pass

Note:

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- N.D. = Not Detected (<MDL)
- mg/kg = milligram per kilogram

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4.Sensory analysis :

Item	Unit	Limit	MDL	Results	Conclusion
				1	
Sensorial Examination odour (Point scale)	/	2.5	/	0#	PASS
Sensorial Examination taste (Point scale)	/	2.5	/	0#	PASS

Note:

- #: 0 = no discernible deviation
- 1 = barely discernible deviation
- 2 = weak deviation
- 3 = clear deviation
- 4 = strong deviation
- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
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List of apparatus:

No.	Name	Model	Calibration Valid Date	USE(√)
1	ICP-OES	7700	2026/01/22	√
2	GC-MS	5975i	2026/01/22	√
3	UV-Vis	Lambda25	2026/06/07	√



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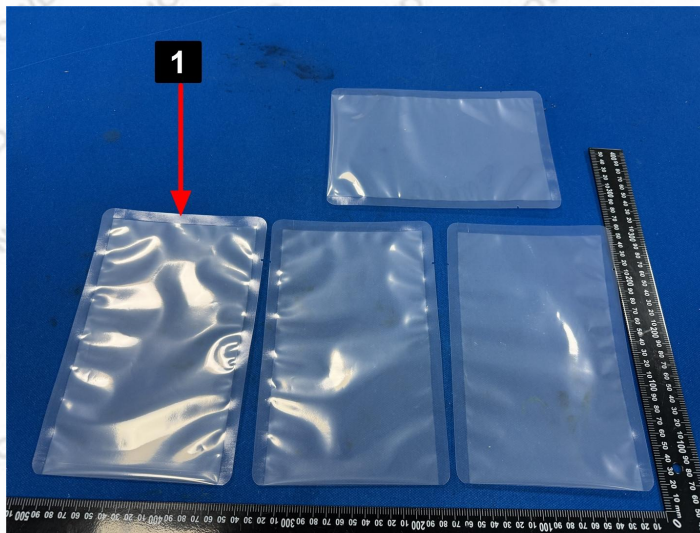
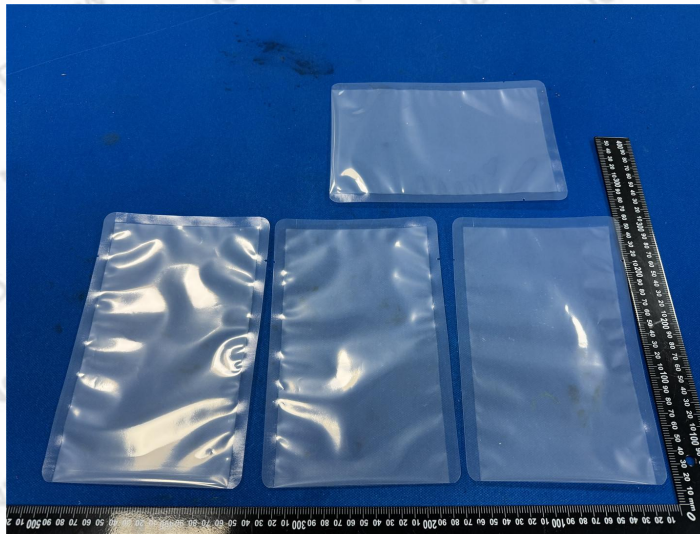
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Photos



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