

Test Report

No.: NGBHL26001789601

Date: Mar 20, 2026

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Client Name: SHANDONG ANGELA TRADING CO., LTD

Client Address: THE SOUTH END OF YONGFU SOUTH RD, EAST IND. PARK, CHANGZHUANG STREET, XUECHENG DISTRICT, ZAOZHUANG CITY, SHANDONG PROVINCE, CHINA

Sample Description: BOPP SHRINK FILM

The above sample(s) and information were provided by the client.

SGS No.: NBHL2603006051CW

Sample Receiving Date: Mar 13, 2026

Testing Period: Mar 13, 2026 ~ Mar 20, 2026

Test Requested: Select test(s) as requested by the client.

Testing Performed: Follow selected test(s) as requested by client.

	Test Requirement	Comment
1	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendment (EU) 2025/351 Regulation - Overall Migration	Pass
2	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendment (EU) 2025/351 Regulation - Specific migration of heavy metals	Pass
3	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendment (EU) 2023/1442 Regulation - Phthalates	Pass
4	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendments (EU) 2025/351 & (EU) 2023/1442 Regulation - Specific migration of phthalates	Pass
5	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 - Sensorial examination odour and taste test	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd.

Pinky Wu

Pinky Wu

Approved Signatory

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	A1	NGB26-0017896-0001.C001	Transparent plastic film	BOPP

Remarks:

- (1) mg/dm² = milligram per square decimeter
 mg/inch² = milligram per square inches
 µg/cm² = microgram per square centimeter
 mg/L = milligram per litre
 mg/kg = milligram per kilogram
 (2) °C = degree Celsius
 °F = degree Fahrenheit
 (3) < = less than
 (4) RL = Reporting Limit
 (5) ND = Not Detected (< RL).

The ratio of surface area to volume

Sample No.	Overall Migration	Specific Migration
A1	10.0 dm ² /kg	6.0 dm ² /kg

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendment (EU) 2025/351 Regulation - 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 condition and EN 1186-1:2002 for selection of test methods; EN 1186-3:2022 Test methods for overall migration in evaporable simulants;

	Test Condition
	10% Ethanol(V/V)
A1	100°C, 1 hr

Simulant used	Limit	Unit(s)	RL	A1 (1st)	Comment
10% Ethanol(V/V)	10	mg/dm ²	3.0	ND	Pass

Notes:

- (1) Test condition & simulant were specified by client.
 (2) For single use articles, the compliance is based on the first migration result with measurement uncertainty according to (EU) 2025/351.

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendment (EU) 2025/351 Regulation - Specific migration of heavy metals



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Test Method: With reference to EN 13130-1:2004, analysis was performed by ICP-MS.

Simulant	Test Condition
	A1
3% Acetic acid (W/V)	70 °C, 6 hrs

Test Item(s)	Limit	Unit(s)	RL	A1
3% Acetic acid (W/V)				
Migration times				First
Arsenic(As)	ND	mg/kg	0.01	ND
Cadmium(Cd)	ND	mg/kg	0.002	ND
Chromium(Cr)	ND	mg/kg	0.01	ND
Mercury(Hg)	ND	mg/kg	0.01	ND
Lead(Pb)	ND	mg/kg	0.01	ND
Aluminium(Al)	1	mg/kg	0.2	ND
Barium(Ba)	1	mg/kg	0.2	ND
Cobalt(Co)	0.05	mg/kg	0.01	ND
Copper(Cu)	5	mg/kg	1.0	ND
Iron(Fe)	48	mg/kg	9.6	ND
Lithium(Li)	0.6	mg/kg	0.12	ND
Manganese(Mn)	0.6	mg/kg	0.12	ND
Zinc(Zn)	5	mg/kg	1.0	ND
Nickel (Ni)	0.02	mg/kg	0.01	ND
Antimony(Sb)	0.04	mg/kg	0.01	ND
Europium(Eu)	-	mg/kg	0.01	ND
Gadolinium(Gd)	-	mg/kg	0.01	ND
Lanthanum(La)	-	mg/kg	0.01	ND
Terbium(Tb)	-	mg/kg	0.01	ND
Europium (Eu)+ Gadolinium(Gd)+ Lanthanum(La)+ Terbium(Tb)	0.05	mg/kg	-	ND
Comment				Pass

Notes:

- (1) Test condition & simulant were specified by client.
- (2) For single use articles, the compliance is based on the first migration result with measurement uncertainty according to (EU) 2025/351. For substances which limit is "Not Detected", the non-compliance is based on the first migration result if it is detected without the inclusion of measurement uncertainty.

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendment (EU) 2023/1442 Regulation - Phthalates

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

Test Item(s)	CAS No.	Limit	Unit(s)	RL	A1
Dibutyl phthalate(DBP)	84-74-2	0.05	%	0.003	ND
Benzylbutyl phthalate(BBP)	85-68-7	0.1	%	0.003	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	0.1	%	0.003	ND



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Test Item(s)	CAS No.	Limit	Unit(s)	RL	A1
Diisononyl Phthalate(DINP)	28553-12-0 /68515-48-0	0.1	%	0.010	ND
Diisodecyl Phthalate(DIDP)	26761-40-0 /68515-49-1	0.1	%	0.010	ND
Diisobutyl Phthalate(DIBP)	84-69-5	-	%	0.003	ND
Comment					Pass

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendments (EU) 2025/351 & (EU) 2023/1442 Regulation - Specific migration of phthalates

Test Method: With reference to EN 13130-1:2004, analysis was performed by GC-MS.

Simulant	Test Condition
	A1
95% Ethanol	60 °C, 6 hrs
Isooctane	40 °C, 1.5 hrs

Test Item(s)	CAS No.	Limit	Unit(s)	RL	A1
95% Ethanol					
Migration times					First
Diallyl Phthalate(DAP)	131-17-9	ND	mg/kg	0.01	ND
Benzylbutyl phthalate(BBP)	85-68-7	6.0	mg/kg	1.2	ND
Dibutyl Phthalate(DBP)	84-74-2	0.12	mg/kg	0.05	ND
Bis-(2-ethylhexyl)Phthalate(DEHP)	117-81-7	0.6	mg/kg	0.12	ND
Diisobutyl Phthalate(DIBP)	84-69-5	-	mg/kg	0.05	ND
Calculated Sum (BBP, DBP, DEHP & DIBP)(expressed as DEHP) ⁺	-	0.6	mg/kg	-	ND
Diisononyl Phthalate(DINP)	28553-12-0 /68515-48-0	-	mg/kg	0.36	ND
Diisodecyl Phthalate(DIDP)	26761-40-0 /68515-49-1	-	mg/kg	0.36	ND
Diisononyl phthalate + Diisodecyl phthalate(DINP + DIDP)	-	1.8	mg/kg	-	ND
Comment					Pass

Test Item(s)	CAS No.	Limit	Unit(s)	RL	A1
Isooctane					
Migration times					First
Diallyl Phthalate(DAP)	131-17-9	ND	mg/kg	0.01	ND
Benzylbutyl phthalate(BBP)	85-68-7	6.0	mg/kg	1.2	ND
Dibutyl Phthalate(DBP)	84-74-2	0.12	mg/kg	0.05	ND
Bis-(2-ethylhexyl)Phthalate(DEHP)	117-81-7	0.6	mg/kg	0.12	ND
Diisobutyl Phthalate(DIBP)	84-69-5	-	mg/kg	0.05	ND
Calculated Sum (BBP, DBP, DEHP & DIBP)(expressed as DEHP) ⁺	-	0.6	mg/kg	-	ND
Diisononyl Phthalate(DINP)	28553-12-0 /68515-48-0	-	mg/kg	0.36	ND



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Test Item(s)	CAS No.	Limit	Unit(s)	RL	A1
Diisodecyl Phthalate(DIDP)	26761-40-0 /68515-49-1	-	mg/kg	0.36	ND
Diisononyl phthalate + Diisodecyl phthalate(DINP + DIDP)	-	1.8	mg/kg	-	ND
Comment					Pass

Notes:

- (1) Test condition & simulant were specified by client.
- (2) * Calculated sum expressed as DEHP equivalents using the equation: $DBP*5 + DIBP*4 + BBP*0.1 + DEHP*1$
- (3) For single use articles, the compliance is based on the first migration result with measurement uncertainty according to (EU) 2025/351. For substances which limit is "Not Detected", the non-compliance is based on the first migration result if it is detected without the inclusion of measurement uncertainty.

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 - Sensorial examination odour and taste test

Test Method: With reference to DIN 10955: 2024.
No. of panelist: 6

Test Media	Test Condition
	A1
Distilled water	70 °C, 6 hrs

Test Item(s)	Limit	Unit(s)	A1
Area/Volume	-	dm ² /kg	10.0
Sensorial examination odour	2.5	-	0.0
Sensorial examination taste	2.5	-	0.0
Comment			Pass

Notes:

- Intensity scale (rounded at 0.5):
- 0 – no perceptible difference
 - 1 – just perceptible difference
 - 2 – slight difference
 - 3 – marked difference
 - 4 – strong difference

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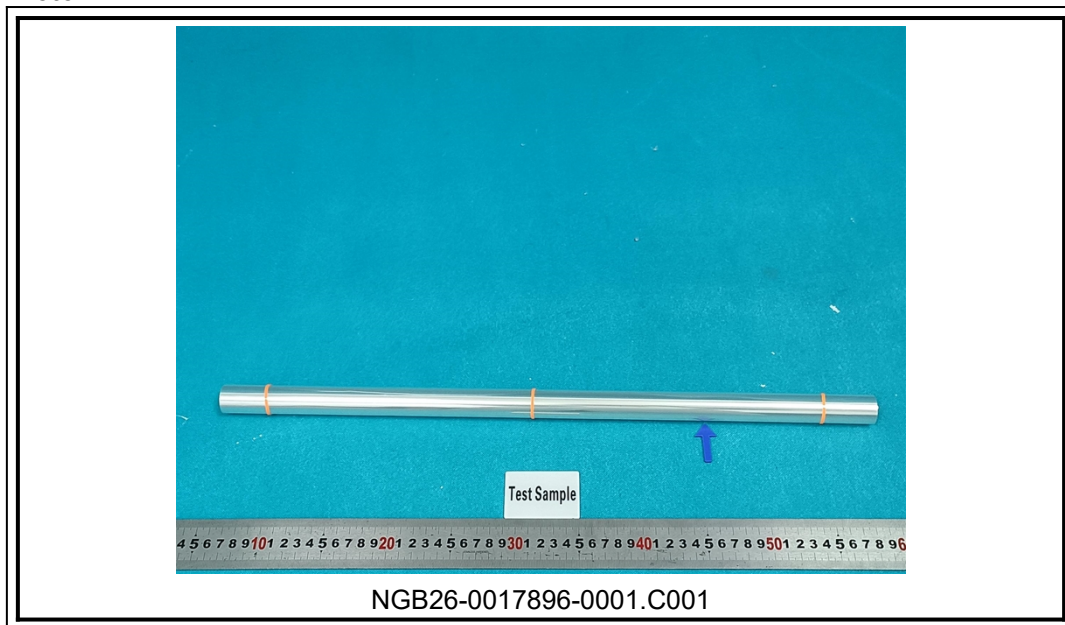
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