

Test Report

No.: SZXPC26004291102

Date: Aug 11, 2026

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Client Name: CARTHAGE GMBH

Client Address: LIETZENBURGER STR. 9A, 10789 BERLIN, GERMANY

Sample Name: FINISHED BAG MADE FROM STONE PAPER AND PP WOVEN COMPOSITE TUBE FABRIC

Manufacturer: WENZHOU FUFANG TECHNOLOGY CO., LTD.

Buyer: CARTHAGE GMBH

Destination of the Product(s): Germany

Material and Mark:

- Stone Paper Layer: 45.0%~70.0%
- Main Components: Calcium Carbonate (CaCO₃) approx. 70-80%, Polyethylene (PE) approx. 20-30%
- PP Woven Layer: 30.0%~45.0%
- Main Components: 100% Virgin Polypropylene (PP)
- PE Lamination Layer: 5.0%~10.0%
- Main Components: PE Extrusion Lamination Resin

Product Specification: Total Grammage 115 g/m²~200 g/m², Tube Width 350mm~550mm, Roll Length Customizable

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

SGS Job No.: SZIN2607005148PC01

Sample Receiving Date: Jul 23, 2026

Testing Period: Jul 23, 2026 ~ Aug 07, 2026

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

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

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

	Test Requirement	Conclusion
1	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2025/351 Regulation and BfR recommendation - Overall Migration	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Andy

Andy Ni

Approved Signatory

Scan to see the report



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Verification:
check.sgsonline.com.cn



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	Test Requirement	Conclusion
2	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2025/351 Regulation and BfR recommendation - Specific migration of heavy metals	Pass

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	A2	SZX26-0042911-0001.C002	Transparent plastic on paper	Plastic

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
A2	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, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2025/351 Regulation and BfR recommendation - 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; EN 1186-2:2022 Test methods for overall migration in vegetable oils.

	Test Condition		
	10% Ethanol(V/V)	3% Acetic acid (W/V)	Rectified olive oil
A2	40 °C, 10 days	40 °C, 10 days	40 °C, 10 days

Simulant used	Limit	Unit(s)	RL	A2 (1st)	Comment
10% Ethanol(V/V)	10	mg/dm ²	3.0	ND	Pass
3% Acetic acid (W/V)	10	mg/dm ²	3.0	ND	Pass



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Simulant used	Limit	Unit(s)	RL	A2 (1 st)	Comment
Rectified olive oil	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, German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31 with amendments, (EU) No 10/2011 and its amendment (EU) 2025/351 Regulation and BfR recommendation - Specific migration of heavy metals

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

Simulant	Test Condition
	A2
3% Acetic acid (W/V)	40 °C, 10 days

Test Item(s)	Limit	Unit(s)	RL	A2
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:



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- (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.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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Sample Photo:



SGS authenticate the photo on original report only
*** End of Report ***



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