

Test Report

No.: SHAEC26025776301

Date: Aug 27, 2026

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Client Name: ZAOZHUANG COX INDUSTRY TECHNOLOGY

Client Address: NO.188 HI-TECH ZONE, 277000, ZAOZHUANG CITY, SHANDONG PROVINCE, CHINA

Sample Name: NYLON FILTER BAG

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

SGS Job No.: QDP26-005191

Reference No.: QDP26-005191

Sample Receiving Date: Aug 17, 2026

Testing Period: Aug 17, 2026 ~ Aug 21, 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	Comment
1	US FDA 21 CFR 177.1500 - Specific Gravity at 23°C	See Results
2	US FDA 21 CFR 177.1500 - Melting Point	Pass
3	US FDA 21 CFR 177.1500 - Solubility in Boiling 4.2N HCl	Pass
4	US FDA 21 CFR 177.1500 - Maximum Extractable Fraction	Pass

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

Sue Sheng

Sue Sheng

Approved Signatory

Scan to see the report



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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	SHA26-0257763-0001.C001	white filter bag	Nylon6

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).

US FDA 21 CFR 177.1500 - Specific Gravity at 23°C

Test Method: With reference to US FDA 21 CFR 177.1500.

Test Item(s)	Limit	Unit(s)	A1
Specific Gravity at 23°C	1.135-1.165	g/cm ³	1.125 [#]

Notes:

(1) The US FDA tests are intended for the raw/virgin polymer material. Since this was not available, the finished article was tested, and this testing included the polymer and all the other substances that were added during the manufacturing process. It is recommended that the physical parameters be tested on the raw/virgin polymer material.

US FDA 21 CFR 177.1500 - Melting Point

Test Method: With reference to US FDA 21 CFR 177.1500.

Test Item(s)	Limit	Unit(s)	A1
Melting Point	392-446	°F	433.2
Comment	Pass		

Notes:

Sample A1: These tests were subcontracted to SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd..

US FDA 21 CFR 177.1500 - Solubility in Boiling 4.2N HCl

Test Method: With reference to US FDA 21 CFR 177.1500.

Test Item(s)	Limit	A1
Solubility in Boiling 4.2N HCl	Dissolves in 1 hour	Dissolved
Comment	Pass	



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US FDA 21 CFR 177.1500 - Maximum Extractable Fraction

Test Method: With reference to US FDA 21 CFR 177.1500.

Simulant used	Test Condition	Limit	Unit(s)	RL	A1	Comment
95% Ethanol	Reflux Temperature, 8 hrs	2.0	%(w/w)	0.05	0.64	Pass
Benzene	Reflux Temperature, 8 hrs	1.0	%(w/w)	0.05	0.05	Pass
Ethyl Acetate	Reflux Temperature, 8 hrs	1.0	%(w/w)	0.05	0.06	Pass
Distilled water	Reflux Temperature, 8 hrs	1.0	%(w/w)	0.05	0.42	Pass

Remark:

= Exceed the limit.

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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