

Test Report

No.: SHAEC26005645403

Date: Mar 19, 2026

Page 1 of 4

Client Name: HEBEI MACROKUN MESH CO., LTD

Client Address: NO. 209, HEPING ROAD, CHANG'AN DISTRICT, SHIJIAZHUANG CITY, HEBEI PROVINCE, CHINA

Sample Name: POLYAMIDE MESH, NYLON MESH, FLOUR MESH, FILTER MESH

Model No.: JPP4-JPP236/10Mesh-600Mesh/3XXX-17XXX,6GG-74GG,PA6-15

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

SGS Job No.: SHP26-007375

Sample Receiving Date: Mar 09, 2026

Testing Period: Mar 09, 2026 ~ Mar 18, 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.

Tom Ni

Tom Ni
Approved Signatory

Scan to see the report



BBC5449E



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Chemical Laboratory

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	A2	SHA26-0056454-0001.C002	White semi transparent soft solid	PA6

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)	A2
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)	A2
Melting Point	392-446	°F	431.9
Comment			Pass

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.

Notes:

Sample A2: These tests were subcontracted to SGS-CSTC Standards Technical Services (Ningbo) Co., Ltd..



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Test Report

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Page 3 of 4

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	A2
Solubility in Boiling 4.2N HCl	Dissolves in 1 hour	Dissolved
Comment		Pass

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	A2	Comment
95% Ethanol	Reflux Temperature, 8 hrs	2.0	%(w/w)	0.05	0.41	Pass
Benzene	Reflux Temperature, 8 hrs	1.0	%(w/w)	0.05	ND	Pass
Ethyl Acetate	Reflux Temperature, 8 hrs	1.0	%(w/w)	0.05	ND	Pass
Distilled water	Reflux Temperature, 8 hrs	1.0	%(w/w)	0.05	0.54	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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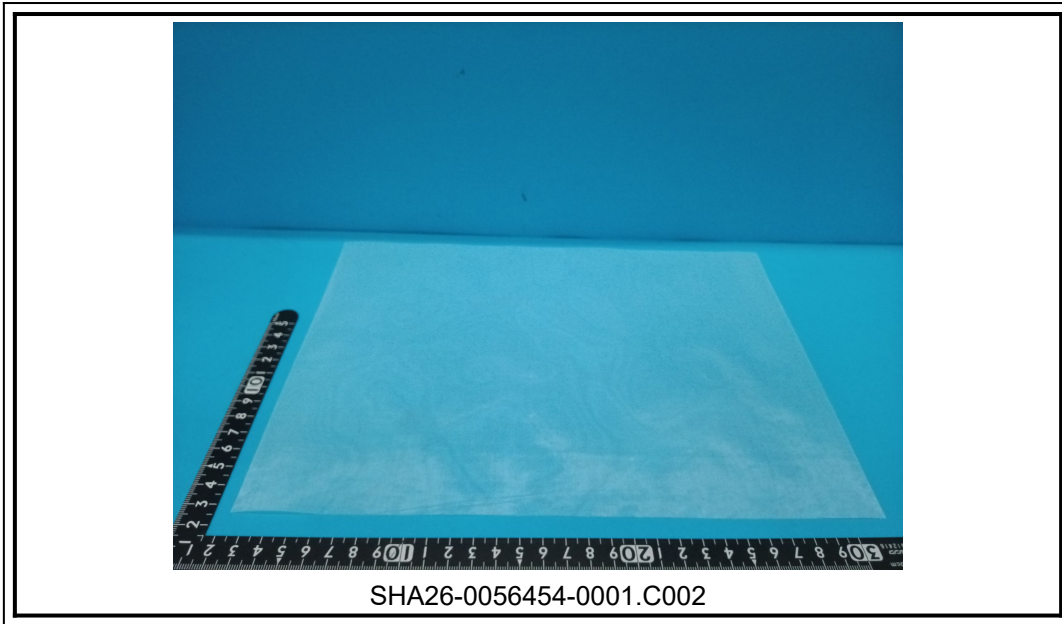
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Page 4 of 4

Sample Photo:



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*** End of Report ***



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