

# Test Report

No. SHAFD2216063305

Date: 30 Nov 2022

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Client Name : Precision Filtration (Shanghai) Co., Ltd.

Client Address : Building #1, No.225, Hufa Road, Huayan Development Zone, Fengxian District, Shanghai 201415, P.R.China

Sample Name : Polypropylene filter bag

Manufacturer : Precision Filtration (Shanghai) Co., Ltd.

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

SGS Job No. : O-SHAFL202201976646 ASH22-059238 - SH

Date of Sample Received : 14 Nov 2022

Testing Period : 14 Nov 2022 - 29 Nov 2022

Test Requested : Selected 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).

## Result Summary :

Test Requested	Conclusion
(EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation-Overall migration	PASS
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004-Sensorial examination odour and taste test	PASS
(EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation -Specific migration of heavy metal *	PASS
(EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation -Specific migration of primary aromatic amine (total)*	PASS
Commission Implementing Regulation (EU) 2018/213 of 12 February 2018 amending Regulation (EU) 10/2011 of 14 January 2011-Bisphenol A*	PASS



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

Helen Liu  
Approved Signatory



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Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA22-160633.001	White filter bag	PP
SN2	SHA22-160633.002	White filter bag	PP

Remarks :

- (1) mg/dm<sup>2</sup> = milligram per square decimeter
- (2) mg/kg = milligram per kilogram
- (3) °C= degree Celsius
- (4) < = less than
- (5) MDL = Method Detection Limit
- (6) ND = Not Detected ( < MDL)

**(EU) No 10/2011 and its amendment (EU) 2020/1245 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: 2002 aqueous food simulants by total immersion method;

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001 Overall migration</u>	<u>Conclusion</u>
3% Acetic acid (W/V) aqueous solution (First migration)	240.0hr(s)	40°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS
Area/Volume			-	10.0dm <sup>2</sup> /kg	

Notes :

- (1) Analytical tolerance of aqueous simulants is 2 mg/dm<sup>2</sup> or 12 mg/kg.
- (2) Test condition & simulant were specified by client.

**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: 2004  
No. of panelist: 6



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Test Item(s)	Limit	001
Test media	-	DW
Test time (hr(s))	-	240
Temperature(°C)	-	40
Sensorial examination odour (Point scale)	2.5	0
Sensorial examination taste (Point scale)	2.5	0
<b>Conclusion</b>		<b>PASS</b>

Notes :

Scale evaluation:

- 0 – no perceptible difference
- 1 – just perceptible difference
- 2 – slight difference
- 3 – marked difference
- 4 – strong difference
- DW= Distilled water

**(EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation -Specific migration of heavy metal \***

Test Method : With reference to EN13130-1:2004, analysis was performed by ICP-OES and ICP-MS.

**Sample 001**

Simulant Used : 3% Acetic acid (W/V) aqueous solution

Test Condition : 40 °C 240.0 hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	First
Area/volume	-	dm <sup>2</sup> /kg	-	6.0
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	0.1	ND
Barium(Ba)	1	mg/kg	0.25	ND
Cobalt(Co)	0.05	mg/kg	0.01	ND
Copper(Cu)	5	mg/kg	0.25	ND
Iron(Fe)	48	mg/kg	5	ND
Lithium(Li)	0.6	mg/kg	0.1	ND
Manganese(Mn)	0.6	mg/kg	0.1	ND



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Zinc(Zn)	5	mg/kg	0.5	ND
Nickel(Ni)	0.02	mg/kg	0.01	ND
Antimony(Sb)	0.04	mg/kg	0.01	ND
Europium (Eu)	-	mg/kg	0.025	ND
Gadolinium(Gd)	-	mg/kg	0.025	ND
Lanthanum(La)	-	mg/kg	0.025	ND
Terbium(Tb)	-	mg/kg	0.025	ND
Europium (Eu)+ Gadolinium(Gd)+ Lanthanum(La)+ Terbium(Tb)	0.05	mg/kg	-	ND

### Conclusion

**PASS**

### Notes :

(1) Test condition & simulant were specified by client.

### (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation -Specific migration of primary aromatic amine (total)\*

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

### Sample 001

Simulant Used : 3% Acetic acid (W/V) aqueous solution

Test Condition : 40 °C 240.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	First
Area/volume	-	dm <sup>2</sup> /kg	-	6.0
Specific migration of primary aromatic amine	0.01	mg/kg	0.002	ND

### Conclusion

**PASS**

### Notes :

(1) Test condition & simulant were specified by client.

### Commission Implementing Regulation (EU) 2018/213 of 12 February 2018 amending Regulation (EU) 10/2011 of 14 January 2011-Bisphenol A\*

Test Method : With reference to Part II Section D2 of Testing Methods for Foodstuffs, Implements, Containers and Packaging, Toys, Detergents, JETRO, Japan External Trade Organization, 2009 (Dichloromethane extraction by ultrasonic bath). Analysis was performed by HPLC-MS.



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Test Item(s)	Limit	Unit	MDL	002
Bisphenol-A	★	mg/kg	0.1	ND
Conclusion				PASS

Notes :

★ = prohibited

Test item marked "\*" in this report are not included in CNAS Accredited Scope for our laboratory. 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:



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