

## Test Report

No. SHAHG2013010401

Date: 21 Jul 2020

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BLEU AGRO

166 AVENUE DES AUREATS.

26 000 VALENCE - FRANCE

The following sample(s) was/were submitted and identified on behalf of the clients as : SEE ATTACHMENT

SGS Job No. : SHHL2006521025OT - SH  
 Manufacturer : BLEU AGRO  
 Supplier : BLEU AGRO  
 Country of Origin : CHINA  
 Style No. : BS-PE  
 Age Labelling : ALL AGES  
 Date of Sample Received : 10 Jul 2020  
 Testing Period : 10 Jul 2020 - 21 Jul 2020  
 Test Requested : Selected test(s) as requested by client.  
 Test Method : Please refer to next page(s).  
 Test Results : Please refer to next page(s).

### Result Summary :

Test Requested	Conclusion
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Overall migration	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Specific migration of heavy metal	PASS

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

*Delores Liu*

Delores Liu  
 Approved Signatory

scan to see the report



SHAHG2013010401



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## Test Results :

## Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA20-130104.001	White plastic film	PE
SN2	SHA20-130104.002	Blue plastic film	PE

## 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)

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -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;  
EN 1186-14: 2002 substitute test;

<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>
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS
3% Acetic acid (W/V) aqueous solution	2.0hr(s)	70°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS
95% Ethanol	2.0hr(s)	60°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS
Isooctane	0.5hr(s)	40°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 002 Overall migration</u>	<u>Conclusion</u>
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS
3% Acetic acid (W/V) aqueous solution	2.0hr(s)	70°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS
95% Ethanol	2.0hr(s)	60°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS
Isooctane	0.5hr(s)	40°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS



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Testing Center - China

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## Notes :

- (1) Analytical tolerance of aqueous simulants is 2 mg/dm<sup>2</sup> or 12 mg/kg.
- (2) Analytical tolerance of fatty food simulants is 3 mg/dm<sup>2</sup> or 20mg/kg.
- (3) Test condition & simulant were specified by client.
- (4) Report the first migration result.

## Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Specific migration of heavy metal

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

### Sample 001

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

Test Condition : 70 °C 2.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	First
Area/volume	-	dm <sup>2</sup> /kg	-	6.0
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	0.25	ND
Lithium(Li)	0.6	mg/kg	0.5	ND
Manganese(Mn)	0.6	mg/kg	0.25	ND
Zinc(Zn)	5	mg/kg	0.5	ND
Nickel(Ni)	0.02	mg/kg	0.02	ND
Conclusion				PASS

### Sample 002

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

Test Condition : 70 °C 2.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	First
Area/volume	-	dm <sup>2</sup> /kg	-	6.0
Aluminium(Al)	1	mg/kg	0.1	ND
Barium(Ba)	1	mg/kg	0.25	ND



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Cobalt(Co)	0.05	mg/kg	0.01	ND
Copper(Cu)	5	mg/kg	0.25	ND
Iron(Fe)	48	mg/kg	0.25	ND
Lithium(Li)	0.6	mg/kg	0.5	ND
Manganese(Mn)	0.6	mg/kg	0.25	ND
Zinc(Zn)	5	mg/kg	0.5	ND
Nickel(Ni)	0.02	mg/kg	0.02	ND
Conclusion				PASS

### Notes :

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



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### SEE ATTACHMENT:

POLYETHYLENE PE MATERIAL IN WHITE, BLUE COLOUR FOR PRODUCING COVERALLS, VISITOR COAT, GOWN, JACKET, PANTS, CAPS AND OTHER HEADWEAR, GLOVES, CAPE, BAGS, SHOE COVER, BOOT COVER, APRON, DUST COVER, BED SHEETS, SLEEVE COVER, HOOD, AND OTHER ACCESSORIES



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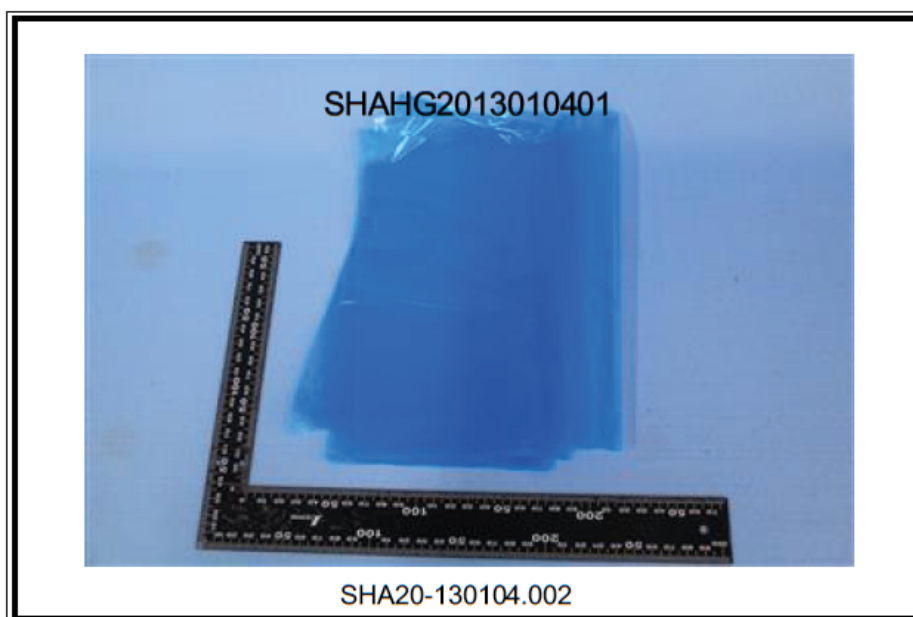
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Sample photo:



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