

Test Report

No. TAOHG2002264801

Date: 15 Jun 2020

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SHANDONG HUANYA PACKAGING CO.,LTD

ROOM 402,UNIT 2,BUILDING 5,HEXIE FAMILY,NO.1670,HONGYANG STREET,CHANGLE
COUNTY,WEIFANG CITY,SHANDONG PROVINCE

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

SGS Job No. : QDHL2006005194CW - QD
Manufacturer : WEIFANG HONGYUAN PLASTIC PRODUCTS CO.,LTD
Supplier : SHANDONG HUANYA PACKAGING CO.,LTD
Country of Origin : CHINA
Country of Destination : EUROPE
Date of Sample Received : 08 Jun 2020
Testing Period : 08 Jun 2020 - 15 Jun 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
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004-Sensorial examination odour and taste test	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Specific migration of heavy metal	PASS

Conclusion : The tested parameters comply with the requirements stated in Commission
Regulation (EU) No 10/2011 of 14 January 2011 with amendments and Regulation
(EC) No 1935/2004 of the European Parliament and of the Council of 27 October
2004.



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

clair

Wang Bo, Claire
Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	TAO20-022648.001	Translucent plastic glove	HDPE

Remarks :

- (1) mg/dm² = 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 1186-2: 2002 olive oil by total immersion method;

Simulant Used	Time	Temperature	Max. Permissible Limit	Result of 001 Overall Migration	Conclusion
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	10mg/dm ²	<3.0mg/dm ²	PASS
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	10mg/dm ²	<3.0mg/dm ²	PASS
Rectified Olive Oil	2.0hr(s)	70°C	10mg/dm ²	<3.0mg/dm ²	PASS

Notes :

- (1) Analytical tolerance of aqueous simulants is 2 mg/dm² or 12 mg/kg.
- (2) Analytical tolerance of fatty food simulants is 3 mg/dm² or 20mg/kg.
- (3) Test condition & simulant were specified by client.
- (4) Report the first migration result.
- (5) The test of rectified olive oil simulant was subcontracted to SGS Tianjin chemical lab.

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004-Sensorial examination odour and taste test



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Test Method : With reference to DIN 10955: 2004
Test media: Distilled water
No. of panelist: 6

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Test time (hr)	-	0.5
Temperature (°C)	-	20
Sensorial examination odour (Point scale)	2.5	0.0
Sensorial examination taste (Point scale)	2.5	0.0
Conclusion		PASS

Notes :

Intensity scale (rounded at 0.5):

- 0 – no perceptible difference
- 1 – just perceptible difference
- 2 – slight difference
- 3 – marked difference
- 4 – strong difference

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 : 20 °C 0.5 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 ² /kg	-	6.0
Aluminium	1	mg/kg	0.1	ND
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Nickel	0.02	mg/kg	0.01	ND
Zinc	5	mg/kg	0.5	ND



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Conclusion

PASS

Notes :

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

Sample photo:



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*** End of Report ***



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