

**Test Report** No. TAOHG2106645801 Date: 24 Nov 2021 Page 1 of 4

SHANDONG XINGYU GLOVES CO.,LTD

NO.2189 YAOQIAN ROAD, GAOMI ECONOMIC DEVELOPMENT ZONE, WEIFANG CITY, SHANDONG PROVINCE, CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as: DISPOSABLE NITRILE **GLOVES** 

SGS Job No.: QDHL2111513375CW - QD

Date of Sample Received: 12 Nov 2021

Testing Period: 12 Nov 2021 - 24 Nov 2021

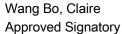
Test Requested: Selected test(s) as requested by client.

Test Method: Please refer to next page(s). Test Results: Please refer to next page(s).

# Result Summary:

Test Requested	Conclusion
Council of Europe Resolution AP (2004) 4 -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
Council of Europe Resolution AP (2004) 4 -Specific migration of primary aromatic amine	PASS
Council of Europe Resolution AP (2004) 4 -Specific migration of nitrosamine and nitrosatable substances	PASS

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





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Test Results:

Test Part Description:

Specimen No. SGS Sample ID Description Material (claimed by the client)

Nitrile rubber SN<sub>1</sub> TAO21-066458.001 Black rubber glove

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)

# Council of Europe Resolution AP (2004) 4 -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;

or EN 1186-9: 2002 aqueous food simulants by article filling method;

or EN 1186-2: 2002 olive oil by total immersion method;

Simulant Used	<u>Time</u>	<u>Temperature</u>	Max. Permissible	Result of 001	<u>Conclusion</u>
			<u>Limit</u>	Overall Migration	
3% Acetic acid (W/V) aqueous solution	2.0hr(s)	70°C	10mg/dm²	9.4mg/dm²	PASS
10% Ethanol (V/V) aqueous solution	2.0hr(s)	70°C	10mg/dm²	<3.0mg/dm²	PASS
Rectified olive oil*	2.0hr(s)	70°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS

#### 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.
- (5)\*The test was subcontracted to SGS Shanghai 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

Test Item(s)	<u>Limit</u>	<u>001</u>
Test time (hr)	-	6
Temperature (°C)	-	40
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

# Council of Europe Resolution AP (2004) 4 -Specific migration of primary aromatic amine

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

40 °C 6.0 hr(s) Test Condition:

Test Item(s)	Max. Permissible	<u>Unit</u>	<u>MDL</u>	Test result
	<u>Limit</u>			
Migration times	-	-	-	First
Area/volume	-	dm²/kg	-	6.0
Specific migration of primary aromatic amine	0.01	mg/kg	0.01	ND
Conclusion				PASS

### Notes:

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

# Council of Europe Resolution AP (2004) 4 -Specific migration of nitrosamine and nitrosatable substances

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

# Sample 001



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

40 °C 6.0 hr(s) Test Condition:

Test Item(s)	Max. Permissible	<u>Unit</u>	<u>MDL</u>	Test result
	<u>Limit</u>			
Migration times	-	-	-	First
Area/volume	-	dm²/kg	-	6.0
Specific migration of Nitrosamines	0.01	mg/kg	0.01	ND
Specific migration of Nitrosatable substances	0.1	mg/kg	0.1	ND
Conclusion				PASS

#### Notes:

(1) Nitrosamines tested: N-nitrosodimethylamine (NDMA), N-nitrosodiethylamine (NDEA), N-nitrosodipropylamine (NDPA), N-nitrosodibutylamine (NDBA), N-nitrosopiperidine (NPIP), N-nitrosopyrrolidine (NPYR), N-nitrosomorpholine (NMOR), N-nitrosodibenzylamine (NDBzA), N-nitroso-N-methyl-N-phenylamine (NMPhA), N-nitroso-N-ethyl-N-phenylamine (NEPhA), N-nitrosodiisononylamine (NDiNA) and N-Nitrosodiisobutylamine (NDiBA)

- (2) Test condition & simulant were specified by client.
- (3) The test was subcontracted to SGS Shanghai chemical lab.

# Sample photo:



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*



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