

## Test Report

Date: 07 Aug 2023

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Client Name :

Client Address :

Sample Name : DIAMOND NITRILE GLOVES (POWDER FREE)

Item No. :

PO No. : ORANGE

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

SGS Job No. : QDHL2307010478CW - QD

Date of Sample Received : 25 Jul 2023

Testing Period : 25 Jul 2023 - 07 Aug 2023

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
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.

Justin

Zhang Bo, Justin  
Approved Signatory

scan to see the report



TAOHG2305267201



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Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1		Orange rubber glove	Nitrile rubber

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 1186-2:2022 Test methods for overall migration in vegetable oils  
or EN 1186-3:2022 Test methods for overall migration in evaporable simulants

<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)	0.5hr(s)	40°C	10mg/dm <sup>2</sup>	9.0mg/dm <sup>2</sup>	PASS
10% Ethanol (V/V)	0.5hr(s)	40°C	10mg/dm <sup>2</sup>	8.5mg/dm <sup>2</sup>	PASS
Rectified olive oil*	0.5hr(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 evaporable simulants is 2 mg/dm<sup>2</sup>or 12 mg/kg. Analytical tolerance of olive oil simulant is 3 mg/dm<sup>2</sup> or 20 mg/kg.
- (2) Test condition & simulant were specified by client.
- (3) Report the first migration result.
- (4)\*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: 2023.  
No. of panelist: 6

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Test media	-	Distilled water
Test time (hr)	-	0.5
Temperature (°C)	-	40
Area/volume(dm <sup>2</sup> /kg)	-	10.0
Sensorial examination odour (Point scale)	2.5	0.0
Sensorial examination taste (Point scale)	2.5	1.0
<b>Conclusion</b>		<b>PASS</b>

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)  
Test Condition : 40 °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 <sup>2</sup> /kg	-	6.0
Specific migration of primary aromatic amine	ND	mg/kg	0.01	ND
<b>Conclusion</b>				<b>PASS</b>

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.



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### Sample 001

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

Test Condition : 40 °C 0.5 hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	First
Area/volume	-	dm <sup>2</sup> /kg	-	6.0
Specific migration of Nitrosamines	ND	mg/kg	0.01	ND
Specific migration of Nitrosatable substances	ND	mg/kg	0.1	ND
<b>Conclusion</b>				<b>PASS</b>

### 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 (NMPPhA), 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.

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:



SGS authenticate the photo on original report only

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

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