



**石家庄鸿锐集团**  
SHIJIAZHUANG HONGRAY GROUP

**Fabbricante**

Shijiazhuang Hongray Group Co., Ltd.  
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**CERTIFIED FOOD CONTACT NITRILE GLOVES**

The product:

***Disposable nitrile examination glove***

**Prod. Ref. NPF2001-2005**

**Setino Item code: N-1**

is certified in accordance with the relevant legislation: DPR 777/82 and Decree no. 34 of 21/03/1973 and subsequent updates and changes, Directives 82/711/EEC, 85/572/EEC, 93/8/EEC, 97/48/EC, 97/48/EC, Regulation 1935/2004/EC, Regulation 10/2011 in agreement with the reference standard UNI EN 1186 1-15:2003.

Type of Simulant	Testing Conditions	Max. Permissible Limit.	Result
A 10 % Ethanol	40 °C, 120 min	<10mg/dm <sup>2</sup>	<0,5 mg/dm <sup>2</sup>
B 3% Acetic Acid	40 °C, 120 min	<10mg/dm <sup>2</sup>	2,65 mg/dm <sup>2</sup>
C Olive oil	40 °C, 120 min	<10mg/dm <sup>2</sup>	<0,5 mg/dm <sup>2</sup>

The overall migration limits, together with the other specific restrictions to which the monomers and/or additives present in the material may be subjected, are respected in the conditions of use mentioned above. The statement is supported by analytical tests or based on calculations on the migration of substances conducted in accordance with directives 82/711 / EEC, 85/572 / EEC and 97/48 / EC and Ministerial Decree of 21 March 1973, where applicable.

Specific migrations do not reveal the presence of substances subject to restrictions in the aforementioned legislation. The substances likely referable to the nature of the material and to the manufacturing process show values below the specific migration limits, as detailed below:

**Specific Migration:**

Test items	Test condition	Maximum Permissible Limit [mg/kg]	Results (mg/kg)
Primary aromatic amine	Acetic acid 3% 120 minutes 40°C	0,01	< 0,01



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Specific Migration of Formaldehyde	Acetic acid 3% 120 minutes 40°C	3	<1.0
Sum of the migration of Formaldehyde and Hexamethylenetetramine	Acetic acid 3% 120 minutes 40°C	15	< 1.0
<b>Test items</b>	<b>Test condition</b>	<b>Maximum Permissible Limit [<math>\mu\text{g}/\text{dm}^2</math>]</b>	<b>Results (<math>\mu\text{g}/\text{dm}^2</math>)</b>
N-nitrosamines	Acetic acid 3% 120 minutes 40°C	1.0	ND
N-nitrosatable substances		10	ND
<b>Test items</b>	<b>Test condition</b>	<b>Maximum Permissible Limit [mg/kg]</b>	<b>Results (mg/kg)</b>
Specific Migration of Acrylonitrile	95% Ethanol, 120 minutes 40°C	Not Detected (DL=0.02 mg/kg) Note: 1. ND denotes not Detected and less than detection	ND
Specific Migration of 1,3 - Butadiene	95% Ethanol, 120 minutes 40°C	Not Detected (DL=0.02 mg/kg)	ND
<b>Test items</b>	<b>Test method</b>	<b>Maximum Permissible Limit [mg/kg]</b>	<b>Results (mg/kg)</b>
1,3 - Butadiene Content	With reference to EN 13130-4 Determination of 1,3-butadiene in plastics	1	<0.1
<b>Test items</b>	<b>Test method</b>	<b>Maximum Permissible Limit</b>	<b>Results</b>
Peroxide Value	With reference to European pharmacopoeia, 2005 Appendix X F. Peroxide Value method A	Absent	Absent
<b>Test items</b>	<b>Test condition</b>	<b>Maximum Permissible Limit [%]</b>	<b>Results (%)</b>
Volatile Organic Matters	105°C for 4 hours	0.5	0.17
<b>Test items</b>	<b>Test condition</b>	<b>Maximum Permissible Limit [mg/kg]</b>	<b>Results (mg/kg)</b>
Barium	3% Acetic acid, 40°C for 2 hours	1.2	<0.1
Copper	3% Acetic acid, 40°C for 2 hours	4	<0.5
Aluminum	3% Acetic acid, 40°C for 2 hours	1	<0.1





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Zinc	3% Acetic acid, 40°C for 2 hours	5	<1.0
Lead	3% Acetic acid, 40°C for 2 hours	1	<1.0
Cadmium	3% Acetic acid, 40°C for 2 hours	1	<1.0
Antimony	3% Acetic acid, 40°C for 2 hours	1	<1.0
Mercury	3% Acetic acid, 40°C for 2 hours	1	<1.0
Arsenic	3% Acetic acid, 40°C for 2 hours	1	<1.0
Lead	3% Acetic acid, 40°C for 2 hours	0.01	<0.01
Nickel	3% Acetic acid, 40°C for 2 hours	0.14	<0.002
Chromium (VI)	3% Acetic acid, 40°C for 2 hours	Not Detected (DL=0.10 mg/kg)	ND
<b>Test items</b>	<b>Test method</b>	<b>Maximum Permissible Limit [mg/kg]</b>	<b>Results (mg/kg)</b>
Bisphenol A content	With reference to EPA3550C-2007	Not Detected (DL:0.1)	ND

**Sensory test:**

Testing Parameter	Grading result(s)	Recommended level
Transfer of taste	0	<3
Transfer of smell	0	<3

**Color release:**

Simulant(s) Used	Test Condition	Result(s)	Permissible Limit
Distilled Water	50°C for 5 hours	No color fastness	No color fastness
3% Acetic acid	50°C for 5 hours	No color fastness	No color fastness
15% Ethanol	50°C for 5 hours	No color fastness	No color fastness



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Peanut oil	50C for 5 hours	No color fastness	No color fastness
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Based on the tests carried out, the glove *Disposable nitrile examination glove*

is suitable for contact with aqueous and acid foods for which it is expected the use of simulants A, B, and oily and fatty foods for which it is expected the use of simulants C.

It's suitable for contact with foodstuffs and pacifiers for infants and young children.

In support of this, the test reports referring to the material in question are attached, uniquely identified as Tuv Test Report No. 721658362-1.1.

This declaration is valid from the date below and will be replaced in the event of substantial changes in the production of the material capable of changing some essential requirements for compliance, or when the legislative references cited in this declaration are modified and updated in a manner that requires re-verification for compliance purposes.

JINZHOU, CHINA, 2022.02.16

*Jin Zhou, China 2022.02.16*

Place and Date

Wu Min, QA Manager

*Wu Min*



Signature (Seal)