



TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L4577

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Report No.: S200909121_2

28 October 2020

APPLICANT:

Date of receipt : 08 Sept. 2020
Testing period : 08 Sept. 2020
: 11 Sept. 2020

Buyer: —

Sample description: Disposable Nitrile gloves

Reference no. : Gug0101

Test(s) requested : —

Service : REGULAR

Brand / Section : —

Season : —

End use : —

Factory name : —

Factory code : —

For CE Marking : Yes

Previous report : —

Product category : —

Product type : —

Test stage : FIRST TEST

Supplier name : —

Exported to : —

1. Conclusion:

	Tests description	Conformity
	EN ISO 21420/EN ISO 374-1	
1	pH - Textile (KCl solution)	Pass
2	Aromatic amines derived from azo colorants	Pass
3	Polycyclic Aromatic Hydrocarbons (8)	Pass
4	Dexterity	Level 5
5	Air Leak Test	Pass
6	Water Leak Test	Pass
7	XRF screening	Pass
8	XRF screening (Tin)	Pass
	Tests description	Conformity
9	Phthalates	Pass

Pass: requirements met Fail: requirements not met None: no requirement for this test N/A: not applicable

This test report in version S200909121_2 supersedes the report S200909121_1

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To declare the conformity to the requirement, the uncertainty of measurement, associated to the test results, has not been taken into account.



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APPLICANT:

Approved by



Henry YAN
Laboratory Manager



Yvonne MAO
Senior Analytical Chemical Engineer

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APPLICANT:

2. Sample(s) description assigned by laboratory:

Size	Analyzed product	Description	Sample information
	GLOVE	Whole glove blue nitrile palm	



200909121

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APPLICANT:

3. GLOVE/

Whole glove

	Method	Client Requirement	Unit	Result	Conformity
5.2. Dexterity Smallest diameter of pin fulfilling test condition Smallest diameter of pin fulfilling test condition (2) Smallest diameter of pin fulfilling test condition (3) Smallest diameter of pin fulfilling test condition (4) Performance level	EN ISO 21420:2020		mm	5.0 5.0 5.0 5.0 5	
• Air Leak Test Glove thickness Air pressure used to test Result	EN 374-2:2019	No air bubbles	mm kPa	0.10 3.5 No air bubbles	Pass
• Water Leak Test Result	EN 374-2:2019	No water leak		No water leak	Pass

blue nitrile palm

	Method	Client Requirement	Unit	Result	Conformity
(+) 4.2. pH - Textile (KCl solution) pH value	ISO 3071:2020	3.5< - <9.5		8.3	Pass
4.2. Aromatic amines derived from azo colorants Accessible without fibre extraction	ISO 14362-1:2017 (w/o extraction)	<30	mg/kg	<5	Pass
▲ 4.2. Polycyclic Aromatic Hydrocarbons (8) Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Dibenzo(a,h)anthracene	ISO/TS 16190:2013	<1 <1 <1 <1 <1 <1	mg/kg	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1	Pass

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	Method	Client Requirement	Unit	Result	Conformity
Benzo(e)pyrene		<1	mg/kg	<0.1	
Benzo(j)fluoranthene		<1	mg/kg	<0.1	
Phthalates	CEN ISO TS 16181 : 2011				Pass
BBP . Butyl benzyl phthalate		<1000	mg/kg	<25	
DBP . Di-butyl phthalate		<1000	mg/kg	<25	
DEHP . Di-(2-ethylhexyl) phthalate		<1000	mg/kg	<25	
DIBP . Di-isobutyl phthalate		<1000	mg/kg	<25	
(+) XRF screening	ASTM F2617 – 15				Pass
Cd (Cadmium)		<100	ppm	<100	
XRF screening (Tin)	ASTM F2617 – 15				Pass
Sn (Tin)		<150	ppm	<150	

END OF TEST REPORT

- ▲: The test was carried out by external accredited laboratory under their accreditation scope.
- : The test was carried out by external accredited laboratory, not within their accreditation scope.

Table of Performance Level for Glove

Test Item	Performance Level					
	0##	1	2	3	4	5
Finger dexterity (EN ISO 21420) Smallest diameter of pin fulfilling test conditions (mm)	---	11.0	9.5	8.0	6.5	5.0

Performance level 0 means the glove falls below the minimum performance level for the given individual hazard

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Report No.: S210100272_2

20 January 2021

APPLICANT:

Date of receipt : 12 Jan. 2021
Testing period : 12 Jan. 2021
: 18 Jan. 2021

Buyer: —

Sample description: Disposable nitrile gloves

Reference no. : Gug0101
Style / Article no. : S;M;L;XL
Test(s) requested : —
Service : EXPRESS
Brand / Section : —
Season : —
End use : —
Factory name : —
Factory code : —
Revision : Amend sample information.

For CE Marking : Yes

Previous report : —
Product category : —
Product type : —
Test stage : FIRST TEST
Supplier name : —
Exported to : —

1. Conclusion:

	Tests description	Conformity
1	5.1. Sizes and dimensions : EN ISO 21420: 2020	Fail
2	5.3. Resistance to degradation by chemicals : EN 374-4 : 2019	None
3	5.4. Determination of resistance to permeation by chemicals : EN 16523-1+A1 2018	None

Pass: requirements met Fail: requirements not met None: no requirement for this test N/A: not applicable

Approved by

Henry YAN 严滨
Laboratory Manager

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20 January 2021

APPLICANT:

2. Sample(s) description assigned by laboratory:

<u>Size</u>	<u>Analyzed product</u>	<u>Description</u>	<u>Sample Information</u>
	GLOVE	blue nitrile glove 8" blue nitrile glove 9" blue nitrile glove 10" blue nitrile glove – K	



210100272

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APPLICANT:

3. GLOVE/

blue nitrile glove 8''

	Method	Client Requirement	Unit	Result	Conformity
5.1. Sizes and dimensions <i>*Size defined by EN 420:2003.</i>	EN ISO 21420: 2020				Pass
Length of glove size 8		≥ 240	mm	246	
Length of glove size 8 (2)		≥ 240	mm	247	
Length of glove size 8 (3)		≥ 240	mm	249	

blue nitrile glove 9''

	Method	Client Requirement	Unit	Result	Conformity
5.1. Sizes and dimensions <i>*Size defined by EN 420:2003.</i>	EN ISO 21420: 2020				Fail
Length of glove size 9		≥ 250	mm	248	
Length of glove size 9 (2)		≥ 250	mm	249	
Length of glove size 9 (3)		≥ 250	mm	249	

blue nitrile glove 10''

	Method	Client Requirement	Unit	Result	Conformity
5.1. Sizes and dimensions <i>*Size defined by EN 420:2003.</i>	EN ISO 21420: 2020				Fail
Length of glove size 10		≥ 260	mm	248	
Length of glove size 10 (2)		≥ 260	mm	246	
Length of glove size 10 (3)		≥ 260	mm	249	

blue nitrile glove -- K

	Method	Client Requirement	Unit	Result	Conformity
• 5.3. Resistance to degradation by chemicals	EN 374-4 : 2019				
Challenge chemical tested				Sodium hydroxyde 40%	
Sample degradation by the chemical tested			%	-19.5	
Sample degradation by the chemical tested (2)			%	-12.5	
Sample degradation by the chemical tested (3)			%	-14.1	

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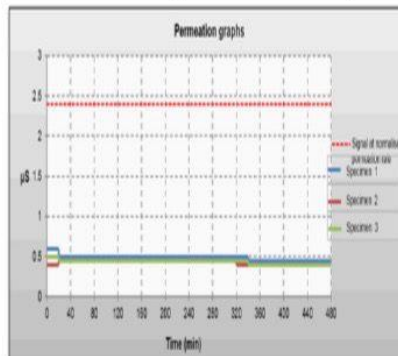
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APPLICANT:

	Method	Client Requirement	Unit	Result	Conformity
Degradation - Mean			%	-15.4	
Degradation - Standard deviation			%	3.6	
Lining				No Lining	
Observation				No visible change	
<p>• 5.4. Determination of resistance to permeation by chemicals</p> <p>Chemical product</p> <p>Collection system</p> <p>Place of taking samples</p> <p>Side in contact with the chemicals for test</p> <p>Collector medium</p> <p>Flow rate</p> <p>Testing temperature</p> <p>Detector</p> <p>Measurement</p> <p>Normalized Breakthrough Time</p> <p>Normalized Breakthrough Time (2)</p> <p>Normalized Breakthrough Time (3)</p> <p>Minimum Normalized Breakthrough Time</p> <p>Normalised permeation rate (NPR)</p> <p>Performance (In accordance to EN374-1 Table1)</p> <p>Observation</p>	EN 16523-1+A1 2018			<p>Sodium hydroxide 40% (CAS: 1310-73-2)</p> <p>Open-loop</p> <p>Palm</p> <p>External</p> <p>Liquid (Water)</p> <p>10 mL/min</p> <p>23+/-1 °C</p> <p>Conductimetric</p> <p>Periodic</p> <p>>480 min</p> <p>>480 min</p> <p>>480 min</p> <p>>480 min</p> <p>1 µg/cm²/min</p> <p>6</p> <p>Slight swelling</p>	



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20 January 2021

APPLICANT:

- The test was carried out by external accredited laboratory, not within their accreditation scope.

Unless otherwise specified, the physical test items in this report performed in CTC Shanghai lab were conditioned and tested in the environment of T 23±2°C / RH 50±4%.

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