

Date: OCT. 13, 2016 No.: SHHL1609054992MD

Page: 1 of 6

SHANDONG INTCO MEDICAL PRODUCTS CO., LTD QIWANG ROAD, NAOSHAN INDUSTRY PARK, QINGZHOU, SHANDONG, CHINA

The following sample(s) wa	as/were submitted and identified by the client as:
Sample Description	: DISPOSABLE NITRILE MEDICAL EXAMINATION GLOVES
SGS Ref. No.	: QDHL1609006834OT
Style/ Item No.	:S、M、L、XL
Sample Receiving Date	: SEP. 18, 2016
Testing Period	: SEP. 18, 2016 TO OCT. 13, 2016
Test Performed	: SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requested	: EN 455-2-2015 MEDICAL GLOVES FOR SINGLE USE - PART 2:
	REQUIREMENTS AND TESTING FOR PHYSICAL PROPERTIE
Test Result(s)	: FOR FURTHER DETAILS, PLEASE REFER TO THE
	FOLLOWING PAGE(S)
Conclusion	: THE SUBMITTED SAMPLE MET THE TEST REQUIREMENT.
	****

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

Melody Zhang Authorized Signatory



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No.: SHHL1609054992MD

### **Test Conducted**

EN 455-2-2015 Medical gloves for single use - part 2: Requirements and testing for physical propertie

Number of test sample	:	78 pcs
Туре	:	examination/procedure gloves
The manufacturing batch code	:	/
Size	:	S, M, L, XL
Defects observed before testing	:	No defect
Test Result	:	Pass

Clause	Test Items	Result	Note
4	Dimensions	Pass	#1
5	Strength	Pass	#2, #3
7	Labeling	N/C	#4

### Notes

- : #1 See result 1 #2
  - See result 2
  - #3 As per client's declare, these gloves (four size: XS, S, M, L, XL) only size different, the material is the same, and only the glove of size M was tested.
  - #4 N/C means not conducted as per client's requirement.



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No.: SHHL1609054992MD

### **Test Result:**

#### 1. Dimensions

Sample Quantity: 52 pcs

Size							S						
Length(mm)	242	240	241	245	241	241	242	240	242	240	240	242	240
Width(mm)	85	85	86	86	85	86	86	86	85	85	85	84	85

Median value:

Length (mm): 241 Width (mm): 85

Size							Μ						
Length(mm)	244	243	240	243	245	243	241	240	244	245	240	244	246
Width(mm)	98	97	98	98	96	97	98	97	98	98	98	98	98

Median value:

Length (mm): 243 Width (mm): 98

Size							L						
Length(mm)	243	247	249	250	245	245	247	253	250	250	243	250	245
Width(mm)	105	109	106	109	107	108	107	108	103	108	108	108	105

Median value:

Length (mm): 247 Width (mm): 108

Size							XL						
Length(mm)	250	256	250	258	255	250	265	252	250	250	248	252	260
Width(mm)	117	117	115	120	117	117	117	118	117	116	114	117	117

Median value:

Length (mm): 252 Width (mm): 117

Requirements: see table 1&2



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No.: SHHL1609054992MD

### Date: OCT. 13, 2016 Page: 4 of 6

### Table 1 Dimensions for surgical gloves

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# Table 2 Dimensions for examination/procedure gloves

Size	Median length	Median width
	in mm	in mm
Extra small		≪80
Small		80±10
Medium	≥240	95±10
Large		110±10
Extra Large		≥110



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No.: SHHL1609054992MD

### 2. Strength

Sample Quantity: 26 pcs

Size							М						
Force at break(N)	7.279	3.922	4.901	7.438	4.688	8.478	5.367	3.436	7.098	8.918	7.871	8.763	4.397
Force at break after challenge testing(N)	5.73 <mark>6</mark>	5.594	6.649	3.298	5.874	3.306	7.962	8.171	8.004	8.092	6.803	8.964	10.89

Median value:

Force at break during shelf life (N): 7.098 Force at break after challenge testing (N): 6.803

Requirements: see table 3

Table 3 — Median values of force at bre	able 3 — Median va	at break
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	Force at break in Newton							
	Surgical gloves a)	Examination/pr b)	ocedure gloves c)					
Throughout shelf life tested according to 5.2 and within 12 months of manufacture tested according to 5.3	≥ 9,0	≥ 6,0	≥ 3,6					
a) Requirements for all surgical gloves.								
Requirements for all examination gloves, except gloves made from thermoplastic materials ( polyvinylchloride, polyethylene).								
c) Requirements for gloves made from t	hermoplastic materials (e.g	. polyvinylchloride, polye	thylene).					



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No.: SHHL1609054992MD

Sample Photo:



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**Test Report** No.: QDHL1909015461OT

Date: SEP.25,2019

SHANDONG INTCO MEDICAL PRODUCTS CO., LTD

NO.9888, QIWANG ROAD, NAOSHAN INDUSTRY PARK, QINGZHOU, SHANDONG, CHINA

The following sample(s) was/were submitted and identified by the client as: : METRO/MAKRO PROFESSIONAL NITRILE GLOVES, NON-Sample Description POWDERED, BLUE Sample Receiving Date : SEP.12,2019 **Testing Period** : SEP.12,2019 TO SEP.25,2019 **Test Performed** : SELECTED TEST(S) AS REQUESTED BY APPLICANT **Test Requested** : EN 455-2-2015 MEDICAL GLOVES FOR SINGLE USE - PART 2: REQUIREMENTS AND TESTING FOR PHYSICAL PROPERTIES Test Result(s) : PLEASE REFER TO THE FOLLOWING PAGE(S) : THE SUBMITTED SAMPLE MET THE TEST REQUIREMENT. Conclusion Remark: Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

SGS-CSTC Standards Technical Services (Qingdao) Co., Ltd.

Zhou Xinkuan, SK Lab Manager





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No.: QDHL1909015461OT

#### Test Conducted:

### EN 455-2-2015 Medical gloves for single use - part 2: Requirements and testing for physical

#### properties

Number of test sample	:	26 Pieces
The type of gloves	:	examination/procedure gloves c)
Manufacturing batch code	:	1
Size	÷	Examination/procedure gloves: M
Defects observed before testing	:	No defects

<u>Clause</u>	<u>Test Items</u>	<u>Result</u>	<u>Note</u>
5	Strength		
5.2	Force at break	Pass	# 1
5.3	Force at break after challenge testing	Pass	# 1

Notes : #1 See result 1

### **Test Result:**

#### 1. Strength

Sample Quantity: 13pcs

Size							М						
Force at break(N)	7.8	8.5	8.0	9.0	9.4	8.9	6.8	7.1	8.2	8.9	8.3	8.6	8.4
Force at break after challenge testing(N)	7.8	7.6	8.3	7.6	6.5	6.1	8.4	7.4	6.8	6.8	8.5	7.2	6.0

Median value:

Force at break during shelf life (N): 8.4 Force at break after challenge testing (N): 7.4



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No.: QDHL1909015461OT

Requirements: see table 3

Table 3 -	Median	values	of	force a	at I	break
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	Force at break in Newton					
	Surgical gloves a)	Examination/pr b)	ocedure gloves c)			
Throughout shelf life tested according to 5.2 and within 12 months of manufacture tested according to 5.3	≥ 9,0	≥ 6,0	) ≥ 3,6			
<ul> <li>a) Requirements for all surgical gloves.</li> <li>b) Requirements for all examination polyvinylchloride, polyethylene)</li> <li>c) Requirements for gloves made from the second second</li></ul>						

### Sample Photo:



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Material and Engineering Laboratory-Kaohsiung

# Test Report

### 

Report No. : KV-18-11251 Page No. : 1 OF 2 Date of Report : Dec. 25, 2018

Shandong Intco Medical Products Co., Ltd. No.9888, Qiwang Road, Naoshan Industry Park, Qingzhou, Shandong, China

Product Name	Disposable Nitrile Glove (QDHL1811025521OT)
<b>Date of Sample Received</b>	Dec. 10, 2018
Date of Testing	Dec. 10, 2018~Dec. 25, 2018
<u>Remark</u>	The information mentioned in the above section is provided
	by Client(Exclude Date of Sample Received and Date of Testing)

The laboratory tests according to the test requests and samples provided by client, and the results are as follows:

Test Request : Aqueous Extractable Protein

Test Method : Refer to BS EN 455-3:2015 Medical gloves for single use -Part 3 : Requirements and testing for biological evaluation

Test Result : Please see attached pages

----- 1 -----

Mars May

Signed for and on behalf of SGS Taiwan Ltd.

LUUC

1

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Material and Engineering Laboratory-Kaohsiung

# Test Report

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Report No.	: KV-	18-112	251
Page No.	:2	OF	2
Date of Report	: Dec	. 25, 20	018

Test Equipment :

Name	Brand	Model
UV-VISIBLE Spectrophotometer	SHIMADZU	UV-1700

Lab. Environmental Conditions:

Ambient Temperature :  $(25 \pm 2)$  °C Relative humidity :  $(50 \pm 10)$  %

Test Result :

<b>TEST RESULT</b>		
n.d.		

Note: 1. n.d. = not detected.

### 2. MDL (METHOD DETECTION LIMIT):0.2ppm.

Sample Photo :



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# Test Report No. 7191205302-EEC19-WBH dated 01 Mar 2019



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#### SUBJECT:

Testing of Disposable Nitrile Glove submitted by Shandong Intco Medical Products Co., Ltd. on 18 Feb 2019.

#### **TESTED FOR:**

Shandong Intco Medical Products Co., Ltd No. 9888 Qiwang Road Naoshan Industry Park, Qingzhou, Shandong, China

#### TEST DATE:

25 Feb 2019

### **DESCRIPTION OF SAMPLES:**

S/N	Product Description	Colour	Lot No.	Size	Sample received (pieces)	Manufacturer
1	Disposable Nitrile Glove	Blue	1	М	217	Shandong Intco Medical Products Co., Ltd

Lot size as specified by client: 35,001 to 150,000 pieces

### METHOD OF TEST:

EN 455-1:2000 Medical gloves for single use Part 1: Requirements and testing for freedom from holes



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### RESULTS:

Sample: Disposable Nitrile Glove, Size M

Table: Results for EN 455-1:2000

Clause	Tests	Requirements	No. of non-compliers allowed (pieces)	Number tested (pieces)	Actual no. of non-compliers found (pieces)	Inferred results
4 5	Freedom from holes	Shall not leak	7	200	0	Passed

### **REMARKS**:

1. The manufacturing lot no. was not provided by the client.



Photo : Disposable Nitrile Glove, Size M

# Test Report No. 7191205302-EEC19-WBH dated 01 Mar 2019



#### Please note that this Report is issued under the following terms :

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