



PH 0613/1346

Regional Medical Sciences
Center 12 , Songkhla
616/1 Moo 2 Tambol Pawong
Amphur Muang Songkhla 90100.

February 8, 2021

Subject : Test Report of Medical Device

To : NTL INNOVATION CO.,LTD.

With reference to your request on testing of gloves sample, We are pleased to send you the following test report on the medical glove sample (Test No. 64018195001) which was submitted on January 25, 2021. If you have any questions about the test, please contact the telephone number listed below.

Yours truly,

(Miss.Thariya Saowarun)

Director Regional Medical Sciences Center 12 Songkhla
Acting on behalf of the Director-General of the Department of Medical Sciences

General Administration

Tel. 0 7433 0200 Ext. 100

Fax. 0-7433-0215

E-mail address : songkhla@dmsc.mail.go.th



กรมวิทยาศาสตร์การแพทย์
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Accreditation Number 4032/50

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Date of Issue February 5,2021

Submission Number Sample letter

Customer NTL Innovation Co.,Ltd.

Date of Submission January 25,2021

Address 68 Moo 4 ,T.Chalung,A.Hatyai

Date of Receipt January 25,2021

Songkhla 90110 Thailand.

Date of Test January 27,2021

Test No. 64018195001

Sample Type Examination gloves

Purpose Quality control by Standard Test Method to EN 455-1:2020 and EN 455-2: 2015

Sample Description

Samples for examination gloves made from nsynthetic materials, are packaged in plastic 3 bags, total of 1 sample (300 sides). "Examination glove made from synthetic materials , sample Name: Powder Free nitrile Examination Glove., Size XL, Texture surface, powder free , Blue color, Non-sterile, Batch no.: PC012021001XL, Manufacturing date: 01-2021, Expiration date: 01-2024, produced by NTL Innovation Co.,Ltd." Sample packed in a plastic bag with a handle, amount 1 bag.

(Example sent by NTL Innovation Co.,Ltd.)

Signature *R. Petchoo* Tester/Reporter

(Mrs. Ratchadaporn Petchoo)

Medical Scientist

Signature *Saraj* Approved by

(Mr. Saroj Pariyavatee)

Radiation Physicist,Senior Professional Level

The results of test are valid for the submitted sample only.

The report shall not be reproduced, except in full, without the written approval.



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Report Number 64020500635 **Test Report** Page 2 of 5
 Date of Issue February 5, 2021

Test No. 64018195001
 Brand name Powder Free Nitrile Examination Glove Type made from Synthetic material
 Size Extra-large(XL) Texture surface Non-sterile Powder free with bead Blue color
 Batch no. PC012021001XL Mfg. date : 01-2021 Exp. Date : 01-2024
 Manufactured by NTL Innovation Co.,Ltd. 68 Moo 4 ,T.Chalung , A.Hatyai , Songkhla 90110 Thailand.
 Date received January 25, 2021 Sampling date Not specified
 Packaging size 100 pieces/bag Number of gloves received (pieces) 300 pieces

Test Method	Characteristic		Requirements	No. of defects		Median	
				No. of test pieces			
				accepted	observed		
EN 455-2	Dimension (mm.)	Width(mm.)	≥ 110	13	-	-	110
		Length(mm.)	Median ≥ 240		-	-	235
EN 455-1	Freedom from holes		No leakage	200	7	5	NA
EN 455-2	Before accelerated aging, using dumbbell test piece Die 3 mm.						
	Force at break (N)		Median ≥ 6.0	13	-	-	6.7
EN 455-2 ISO 188	After accelerated aging at (70±2)C, 7 day(168 Hr), using dumbbell test piece Die 3 mm.						
	Force at break (N)		Median ≥ 6.0	13	-	-	7.6

Note: 1. "NA" is not possible to find a median for this test topic (Not Available).
 2. Standard EN 455-2: 2015 does not determine the level of verification to determine acceptable defects.
 But consider the minimum acceptability criterion of the median.

Signature *R. Petchoo* Tester/Reporter
 (Mrs. Ratchadaporn Petchoo)
 Medical Scientist

Signature *Saraj* Approved by
 (Mr. Saroj Pariyavatee)
 Radiation Physicist, Senior Professional Level

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Date of Issue February 5, 2021

Test No. 64018195001

Brand name: Powder Free Nitrile Examination Glove

Batch No. PC012021001XL

Size Extra-large(XL)

No.	Width(mm.)	Length(mm.)	Thickness(mm.)		
			Single finger	Single plam	Cuff termination
1	110	234	-	-	-
2	110	230	-	-	-
3	110	235	-	-	-
4	110	240	-	-	-
5	110	240	-	-	-
6	110	230	-	-	-
7	110	235	-	-	-
8	111	234	-	-	-
9	108	240	-	-	-
10	111	230	-	-	-
11	109	238	-	-	-
12	110	236	-	-	-
13	111	239	-	-	-

Signature *J. Petchoo* Tester/Reporter
(Mrs. Ratchadaporn Petchoo)
Medical Scientist

Signature *Saroj* Approved by
(Mr. Saroj Pariyavatee)
Radiation Physicist, Senior Professional Level

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Date of Issue February 5, 2021

Test No. 64018195001

Brand name : Powder Free Nitrile Examination Glove

Batch No. PC012021001XL Size : Extra-large(XL)

Before Accelerated aging		After Accelerated aging	
no.	Force at break (N)	no.	Force at break (N)
1	6.5	1	7.6
2	6.6	2	8.4
3	7.4	3	7.9
4	6.9	4	8.4
5	8.1	5	7.6
6	7.4	6	6.9
7	6.4	7	6.7
8	5.9	8	7.8
9	6.5	9	6.6
10	6.0	10	8.7
11	6.7	11	7.6
12	8.1	12	9.5
13	8.5	13	6.6

Remarks : 1. Test temperature of 23 ± 2 °c and relative humidity of 50 ± 5 % R.H.

2. Shape of Sample (Dumb-bell cutter Die D (3 mm.))

Signature*P. Petchoo*..... Tester/Reporter

(Mrs. Ratchadaporn Petchoo)

Medical Scientist

Signature*Saraj*..... Approved by

(Mr. Saroj Pariyavatee)

Radiation Physicist, Senior Professional Level

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Date of Issue February 5, 2021

Test No. 64018195001
Brand name: Powder Free Nitrile Examination Glove
Batch No. PC012021001XL Size : Extra-large(XL)
No. of test gloves 200 (pieces) No. of defects 5 (pieces)
Description of defects

No.	Location of holes	No.	Location of holes
1	10	-	-
2	6	-	-
3	11	-	-
4	10,10	-	-
5	11	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Note : Location of holes
 no. 1 => thumb
 no. 2 => index finger
 no. 3 => middle finger
 no. 4 => ring finger
 no. 5 => little finger
 no.11 => cuff (except 40 mm. From the open end)
 no. 6 => between thumb and index finger
 no. 7 => between index finger and middle finger
 no. 8 => between middle finger and ring finger
 no. 9 => between ring finger and little finger
 no.10 => palm

Signature *Mrs. Ratchadaporn Petchoo* Tester/Reporter
(Mrs. Ratchadaporn Petchoo)
Medical Scientist

Signature *Saroj Pariyavatee* Approved by
(Mr. Saroj Pariyavatee)
Radiation Physicist, Senior Professional Level

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