

Intco Basic SynGuard Nitrile Medical Examination Glove

ASTM D6319 Test Report



Test Report

No.: QDHL2005004003MD Date: MAY.26.2020 Page: 1 of 5

SHANDONG INTOCO 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:

Sample Description : DISPOSABLE NITRILE EXAM GLOVES
Lot No. : NOT PROVIDED
Lot Size : NOT PROVIDED
Sample Quantity : 256PCS
Storage Condition : ROOM TEMPERATURE
Sample Receiving Date : MAY.11.2020
Testing Period : MAY.11.2020 TO MAY.26.2020
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requested : ASTM D6319-2019 STANDARD SPECIFICATION FOR NITRILE EXAMINATION GLOVES FOR MEDICAL APPLICATION (CLAUSE 5, 6.1.2, 6.1.3, 6.1.4, 6.1.5)
Test Result(s) : PLEASE REFER TO THE FOLLOWING PAGE(S)
Conclusion : THE SUBMITTED SAMPLE MET THE REQUESTED TEST REQUIREMENT.

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.

Jessica Gao

Jessica Gao
Approved Signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755)83371443, or e-mail: CN.Check@sgs.com



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

SGS Center, No. 143, Zheshu Road, Laoshan District, Qingdao, China 266101
(86-532) 65999985 (06-532) 60991955

www.sgs.com.cn
e sgs.china@sgs.com

Member of the SGS Group (SGS SA)



Test Report

No.: QDHL2005004003MD Date: MAY.26.2020 Page: 2 of 5

Test Conducted:

ASTM D6319-2019 Standard Specification for Nitrile Examination Gloves for Medical Application

Number of test sample : 231 Piece(s)

Clause	Test Items	Result
5	Sampling	See Result 1
6	Performance Requirements	---
6.1.2	Freedom from Holes	Pass (See Result 2)
6.1.3	Physical dimensions	Pass (See Result 3)
6.1.4	Physical property characteristics	Pass (See Result 4)
6.1.5	Powder Residue For Powder Free Gloves	Pass (See Result 5)

Test Result:

Result 1: Sampling

The number of specimen:

	Sample size	Ac	Re
Freedom from Holes	200	10	11
Dimensions	13	1	2
Physical property	13	1	2

Result 2: Freedom from Holes

Sample Quantity: 200pcs

AQL=2.5 Ac: 10 Re: 11 Found: 3



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

SGS Center, No. 143, Zheshu Road, Laoshan District, Qingdao, China 266101
(86-532) 65999985 (06-532) 60991955

www.sgs.com.cn
e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Intco Basic SynGuard Nitrile Medical Examination Glove

ASTM D6319 Test Report

SGS

Test Report No.: QDHL2005004003MD Date: MAY.26.2020 Page: 3 of 5

Result 3: Physical dimensions

Sample Quantity: 13pcs

AQL=4.0 Ac:1 Re: 2

Sample No.	Size: M			
	Length/mm	Width/mm	Median value/mm	
			Thickness-finger	Thickness-palm
1	242	98	0.084	0.074
2	240	98	0.079	0.073
3	249	99	0.074	0.078
4	247	97	0.088	0.079
5	237	97	0.095	0.078
6	247	98	0.077	0.080
7	245	98	0.089	0.079
8	245	98	0.094	0.079
9	247	98	0.078	0.074
10	245	97	0.088	0.081
11	247	98	0.088	0.086
12	240	98	0.087	0.081
13	246	98	0.081	0.073
Standard requirement	≥230	95±10	≥0.05	≥0.05
Found	0	0	0	0

SGS

Test Report No.: QDHL2005004003MD Date: MAY.26.2020 Page: 4 of 5

Result 4: Physical property characteristics

Sample Quantity: 13pcs

AQL=4.0 Ac: 1 Re: 2

Sample No.	Size: M			
	Before Aging		After Aging	
	Tensile strength (Mpa)	Ultimate Elongation (%)	Tensile strength (Mpa)	Ultimate Elongation (%)
1	28.10	584	29.79	603
2	24.94	555	23.52	552
3	28.42	579	28.07	586
4	23.83	580	29.00	604
5	23.79	579	24.98	576
6	30.28	583	30.09	577
7	24.60	593	22.94	553
8	31.13	603	29.92	600
9	24.53	588	22.84	560
10	23.94	570	26.09	589
11	26.28	589	28.07	593
12	33.20	598	29.28	599
13	28.74	584	32.87	591
Standard requirement	≥14	≥500	≥14	≥400
Found	0	0	0	0

Result 5: Powder Residue For Powder Free Gloves

The average mass per glove(mg)	0.12
Standard requirement(mg)	≤2.0

Remark: The declaration of conformity is only based on the actual value of laboratory activity, measurement uncertainty of the results not take into account.

SGS

Test Report No.: QDHL2005004003MD Date: MAY.26.2020 Page: 5 of 5

Sample Photo:



SGS authenticate the photo on original report only

End of Report

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.cn/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.cn/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755)83371444, or e-mail: CN_Cocoback@sgs.com

SGS Center, No. 143, Zhuzhou Road, Luchahe District, Qingdao, China 266101
 T (86-532) 68999688 F (86-532) 80991955
 www.sgsgrupp.com.cn
 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.cn/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.cn/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755)83371444, or e-mail: CN_Cocoback@sgs.com

SGS Center, No. 143, Zhuzhou Road, Luchahe District, Qingdao, China 266101
 T (86-532) 68999688 F (86-532) 80991955
 www.sgsgrupp.com.cn
 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.cn/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.cn/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755)83371444, or e-mail: CN_Cocoback@sgs.com

SGS Center, No. 143, Zhuzhou Road, Luchahe District, Qingdao, China 266101
 T (86-532) 68999688 F (86-532) 80991955
 www.sgsgrupp.com.cn
 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Intco Basic SynGuard Nitrile Medical Examination Glove

ASTM D5712 Natural latex free test Test Report

Analysis Report SHAHG1926089102A01 Date: Dec. 5, 2019 Page 1 of 6

SHANDONG INTOCO MEDICAL PRODUCTS CO., LTD.
NO.9888, QIWANG ROAD, NAOSHAN INDUSTRY PARK, QINGZHOU, SHANDONG, CHINA

THIS REPORT IS TO SUPERSEDE TEST REPORT NO.SHAHG1926089101

Sample Name: Disposable Nitrile Gloves

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Job No.: QDHL1911018592MD-01

Date of sample received: 25 Nov. 2019

Testing Period: 25 Nov. 2019 – 02 Dec. 2019

Test Requested: Selected test (s) as requested by client.

Test Method: Please refer to next page(s).

Test Results: Please refer to next page(s).

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

Helen Liu
Approved Signatory

Analysis Report SHAHG1926089102A01 Date: Dec. 5, 2019 Page 2 of 6

Summary of Results:

Test Item	Test Method	Result	Conclusion
Natural Latex Identification	FTIR, PY-GCMS, UV-VIS	See results	/

Note: Pass: Meet the requirements;
Fail: Does not meet the requirements;
/: Not apply to the judgment.

Test Item: Natural Latex Identification

Sample Description: See Photo

Test Method:

- 1: Major composition check: With reference to ASTM E1252-98(2013), analysis was performed by Fourier Transform Infrared Spectrometer(FTIR);
- 2: Major composition check: With reference to ISO 17257:2013, analysis was performed by Pyrolysis Gas Chromatography Mass Spectrometry(PY-GCMS);
- 3: Determination of aqueous extractable protein: With reference to ASTM D5712-15, analysis was performed by Ultraviolet and Visible Spectrometry (UV-VIS);

Analysis Report SHAHG1926089102A01 Date: Dec. 5, 2019 Page 3 of 6

Test Result:

Test Item	Result
Major composition check by FTIR	Major composition is Acrylonitrile-butadiene rubber
Major composition check by PY-GCMS	Major composition is Acrylonitrile-butadiene rubber
Determination of aqueous extractable protein(µg/ml)	Not detected

Remark:

- 1: µg/ml = microgram per milliliter
- 2: Detection limit of aqueous extractable protein is 2µg/ml

Conclusion:

As per test specified above, the submitted sample was found to be material Acrylonitrile-butadiene rubber. It was not made of natural latex.

Remark:

- 1: Natural latex contain poly(isoprene) and aqueous extractable protein.
- 2: Per US FDA recommendation dated on 2015 March, it is recommended not to state the wording "NOT CONTAIN latex" and the wording "Free of latex" in any medical device.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [http://www.sgs.com/en/Terms-and-Conditions/Terms-and-Conditions.aspx](http://www.sgs.com/en/Terms-and-Conditions/Terms-and-Conditions-Terms-and-Conditions.aspx). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
13 Building No.889 Yinan Road Xuhui District Shanghai China 200233 1EAE (86-21) 61402553 1EAE (86-21) 64953679 www.sgs.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 1HL (86-21) 61402594 1HL (86-21) 61156889 e.sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
13 Building No.889 Yinan Road Xuhui District Shanghai China 200233 1EAE (86-21) 61402553 1EAE (86-21) 64953679 www.sgs.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 1HL (86-21) 61402594 1HL (86-21) 61156889 e.sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
13 Building No.889 Yinan Road Xuhui District Shanghai China 200233 1EAE (86-21) 61402553 1EAE (86-21) 64953679 www.sgs.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 1HL (86-21) 61402594 1HL (86-21) 61156889 e.sgs.china@sgs.com

Member of the SGS Group (SGS SA)