

# Mascarilla FFP2 NR – Talla M



## TEST REPORT

No. : GZIN2104020576PS  
Date : Apr 27, 2021  
Page: 1 of 5

scan to see the report



GZIN2104020576PS

CUSTOMER NAME: CHANGZHOU RUIDA MEDICAL TECHNOLOGY CO., LTD.  
ADDRESS: NO.88 MAHANG MIDDLE ROAD, HUTANG TOWN, WUJIN DISTRICT, CHANGZHOU CITY, JIANGSU PROVINCE

Sample Name : FFP2 MASK CAD-01

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 Ref. No. : GZIN2104020519PC  
Date of Receipt : Apr 19, 2021  
Testing Start Date : Apr 19, 2021  
Testing End Date : Apr 27, 2021  
Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Services Co., Ltd. GZ Branch Testing  
Center

  
\_\_\_\_\_  
Quincey lee  
Authorized signatory



SGS-CSTC Standards Technical Services Co., Ltd.  
Gangzhou Branch Inspection & Testing Laboratory

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/nc/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/nc/Terms-and-Conditions/Terms-Electronic-Documents.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 and each sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone (86-755) 8387 1443, or email: CN\_Doccheck@sgs.com

199Wan Road, Science Park, Guangzhou Economic & Trading Development Zone, Guangzhou, China 510663 | (86-20) 82159861 | (86-20) 82075686 | www.sgsgroup.com.cn  
中国·广州·经济技术开发区科学城瑞珠路199号 邮编: 510663 | (86-20) 82159861 | (86-20) 82075686 | e.sgs.china@sgs.com

Member of the SGS Group (SGS SA)



## TEST REPORT

No. : GZIN2104020576PS

Date : Apr 27, 2021

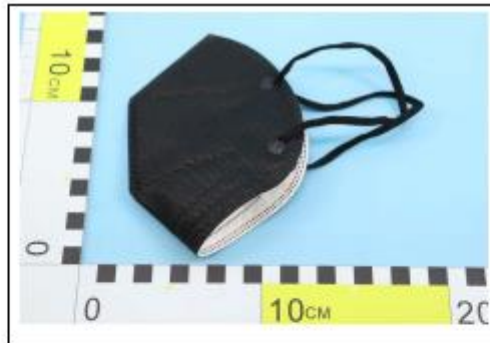
Page: 2 of 5

### Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Graphene Identification	SGS in house method	The characteristic structure and elemental composition of graphene were not detected	/

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

### Original Sample Photo:



SGS (China) Inspection & Testing Services Co., Ltd.  
 Guangzhou Branch Inspection Laboratory

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/Document-Document.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 and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8387 1443, or email: [CN\\_Chooscheck@sgs.com](mailto:CN_Chooscheck@sgs.com).  
 100Mts Road, Saitied Park, Guangzhou Economic & Technological Development District, Guangzhou, China 510663 | (86-20) 82159861 | (86-20) 82075888 | [www.sgs.com](http://www.sgs.com)  
 中国·广州·经济技术开发区科学城科珠路156号 邮编: 510663 | (86-20) 82159861 | (86-20) 82075888 | [e.sgs.china@sgs.com](mailto:e.sgs.china@sgs.com)

Member of the SGS Group (SGS SA)



### TEST REPORT

No. : GZIN2104020576PS  
Date : Apr 27, 2021  
Page: 3 of 5

Test Item: Graphene Identification  
Sample Description: Facemask  
Test Method: SGS in house method  
Test Result:

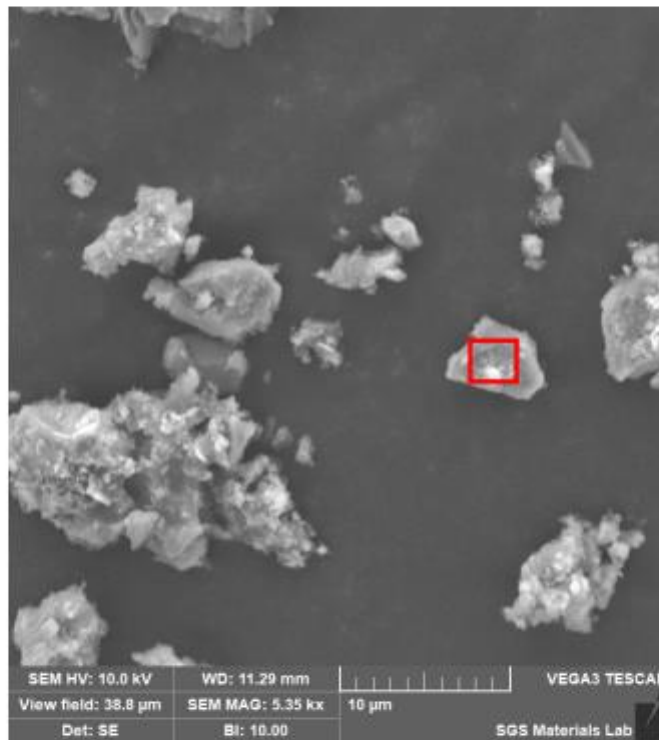


Fig.1 SEM image of the calcination ash of sample (under nitrogen protection)



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-e-Documents.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 constitute 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 and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone (86-755) 8387 1443, or email: [CN\\_Docscheck@sgs.com](mailto:CN_Docscheck@sgs.com)  
Wharf Road, Sarnia Rd, Guangzhou, Economic & Technology Development District, Guangzhou, China 510663 | (86-20) 82155881 | (86-20) 82075380 | [www.sgs.com](http://www.sgs.com)  
中国·广州·经济技术开发区科学城科珠路150号 邮编: 510663 | (86-20) 82155881 | (86-20) 82075380 | [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)

**SGS**

**TEST REPORT**

No. : GZIN2104020576PS

Date : Apr 27, 2021

Page: 4 of 5

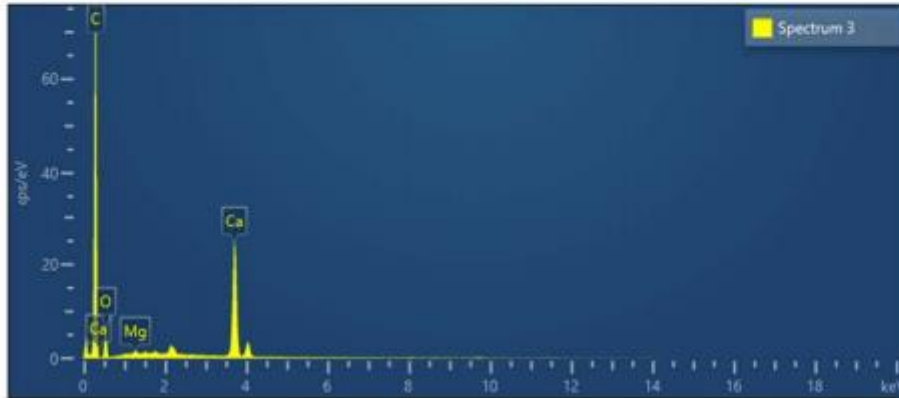


Fig.2 EDS spectra of the red rectangle area shown in fig.1

The elemental composition of the red rectangle area shown in fig.1

Element	Line Type	Weight %	Weight % Sigma	Atomic %
C	K series	65.8	0.28	77.85
O	K series	18.67	0.31	16.58
Ca	K series	15.28	0.12	5.42
Mg	K series	0.25	0.03	0.15
Total		100		100

**Conclusion:**

As per test specified above, the calcination ash of sample (under nitrogen protection) showed a debris-like morphology, and its elemental composition includes carbon, oxygen and calcium. The characteristic structure and elemental composition of graphene were not found.



SGS (China) Inspection & Testing Services Co., Ltd.  
Guangzhou Branch Inspection & Testing Laboratory

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/ver/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/ver/Terms-and-Conditions/Terms-e-Documents.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 constitute parties to a transaction from waiving 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 and such sample(s) are retained for 90 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone (86-755) 8387 1443, or email: [CN.Docscheck@sgs.com](mailto:CN.Docscheck@sgs.com)  
 99Wanchi Road, Saitan Park, Guangzhou, Economic & Technology Development District, Guangzhou, China 510663 | (86-20) 82155881 | (86-20) 82075380 | [www.sgs.com](http://www.sgs.com)  
 中国·广州·经济技术开发区科学城科珠路150号 邮编: 510663 | (86-20) 82155881 | (86-20) 82075380 | [e.sgs.china@sgs.com](mailto:e.sgs.china@sgs.com)

Member of the SGS Group (SGS SA)



## TEST REPORT

No. : GZIN2104020576PS

Date : Apr 27, 2021

Page: 5 of 5

**Note:**

1. According to the related description in ISO/TS 80004-13:2017 and GB/T 30544.13-2018, the graphene layers can be generally referred to the 2D materials consisting of honeycomb-like carbon sheets with a stacking number less than ten.
2. Effected by the particle distribution, processing conditions and stocking conditions, graphene layers might aggregate into graphite flakes with a stacking number more than ten. The poor-reduced and poor-exfoliated reduced oxidized graphene oxide (rGO) might not exhibit the characteristic structure and elemental composition of graphene.

**Equipment Information:**

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
SEM/EDS	VEGA3 (SEM)/ XMX1010 (EDS)	GZMR-PL-E309	2020-05-27	2021-05-26

Appendix information: The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc., and just for internal reference.

\*\*\*\*\* End of report\*\*\*\*\*



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed hereon, available on request or accessible at <http://www.sgs.com/term-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/term-and-conditions/term-e-document.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 and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report / certificate, please contact us at telephone (86-755) 8327 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com).

SGS CERT. (China) Inspection & Testing Services Co., Ltd. 中国 - 广州 - 经济技术开发区科学城科城路199号 邮编: 510663 | (86-20) 82155961 | (86-20) 82075090 | [www.sgs.com](http://www.sgs.com)  
 中国 - 广州 - 经济技术开发区科学城科城路199号 邮编: 510663 | (86-20) 82155961 | (86-20) 82075090 | [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)