

No. : GZIN2104021062MR Date : Apr 23, 2021 Page: 1 of 5



CUSTOMER NAME:	GUANGDONG GANGRONG MEDICAL TECHNOLOGY CO., LTD
ADDRESS:	FLOOR 2, BLOCK 13, BUILDING 2, NO.68, ZHENXING ROAD, DABU
	VILLAGE, SANXIANG TOWN, ZHONGSHAN CITY

Sample Name	:	PARTICLE FILTERING HALF MASK	
Item No.	:	GR200	
Manufacturer	:	GUANGDONG GANGRONG MEDICAL TECHNOLOGY CO., LTD	
Buyer	:	KAELIS WORLD S.L.	
Country of Origin	:	CHINA	
Country of Destination	:	EUROPE	
Other Information	:	IST LAYER NON-WOVEN FABRIC 2ND AND 3RD LAYER MELT-BLOWN FABRIC 4TH LAYER HOT AIR COTTON 5TH LAYER NON-WOVEN FABRIC	

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.	: SDHL2104006315OT	
Date of Receipt	: Apr 21, 2021	
Testing Start Date	: Apr 21, 2021	
Testing End Date	: Apr 23, 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 the sample(s) tested) 	to

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

Kelly Lee Authorized signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overlead, available on request or accessible af http://www.sac.com/en/Terma-and-Conditions.ags.and, bre electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sac.com/en/Terma-and-Conditions/Terma-a-Documents</u>, addient to Terms and Conditions for Electronic Documents at <u>http://www.sac.com/en/Terma-and-Conditions/Terma-a-Documents</u>, advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits on Client's instructions, if any. The Company's solid client and this document has not exceeded the limit any. The Company's and other the transaction documents. This document he engendue transaction from exercising all their rights and obligations under the transaction documents. This document he engendue appearance of this document is unlawful and offenders may be prosecuted to the fulled extent of the law. Unless wherwise 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. Attentions, Te shows the authenticity of testing and such sample(s) are retained for 30 days only.

1税Katuliaal, Sketish Pak Quagton Ecromit & Technology Developmen Dashi, Gangstru, Chen 510663 1 (86-20) 82155555 f (86-20) 82075188 www.sgsgroup.com.cn 中国・广州・经济技术开发区科学城科珠路198号 邮第:510663 1 (86-20) 82155555 f (86-20) 82075188 e sgs.china@sgs.com



No. : GZIN2104021062MR Date : Apr 23, 2021 Page: 2 of 5

Summary of Results:

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

Note: Pass : Meet the requirements; Fail : Does not meet the requirements;

/: Not Apply to the judgment.

Original Sample Photo:





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overlead, available on request or accessible at http://www.ses.com/en/Terms.and-Conditions.ansp.and. To electronic format documents subject to Terms and Conditions for Electronic Documents at <u>http://www.ses.com/en/Terms.and-Conditions/</u>

18/KachuRaid, SkentschPark QuangshavEconnic.5 Technolog, Development Datits, Quangstrux, Dies 5106663 11(86-20),82155555 1(86-20),82075188 www.spagroup.com.cn 中国、广州、经济技术开发区科学城科琼路198号 邮编:510663 11(86-20),82155555 1(86-20),82075188 + sgs.china@sgs.com



No. : GZIN2104021062MR Date : Apr 23, 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)



Otherwise otherwise agreed in writing, cleasible shifty *livery* agr. cominent rems. and Conditions are previous or solvice private private private private the solution of the solution of the comments at http://www.kgs.com/ent/rems.and-Conditions/Terms-e-Document.segs. Attention is solved by the Company's and Conditions of the comments at http://www.kgs.com/ent/rems.and-Conditions/Terms-e-Document.segs. Attention is stream to the limitation of liability, idemnification and jurisdiction issues defined therein. Any holder of this document is advice the limitation of liability, idemnification and jurisdiction issues defined therein. Any holder of this document is a concert to particle to the solution of the company. Any unattention documents are concerned to the company. Any unattention, forget yor fasification of the report effect on the document is unawful and offenders may be prosecuted to the fulleat extent of the law. Unless otherwise stated the results shown in this deciment is unlexel at the ample(s) are repained to the ample(s) are repained to 30 days only.

198 Kadu Raul, Stettsch Park Quangdreu Ectoreits Tachnolog, Development Databit, Guangstreu, Olies 5106633 1 (86-20) 82155555 1 (86-20) 82075188 www.sgsgroup.com.cn 中国、广州、经济技术开发区科学被科获路198号 邮编:510663 1 (86-20) 82155555 1 (86-20) 82075188 * sgs.china@sgs.com



No. : GZIN2104021062MR Date : Apr 23, 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 %
С	K series	14.89	0.67	23.89
0	K series	48.46	0.91	58.37
Са	K series	35.1	0.66	16.87
Ті	K series	0.93	0.14	0.38
Mg	K series	0.62	0.13	0.49
Total		100		100

Conclusion:

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



Otherwise otherwise agreed in writing, this document is issued by the Company subject to its deneral Conditions of Dervice printice subject to Terms and Conditions for Electronic Documents at <u>http://www.kgs.com/en/Terms.and-Conditions.app</u> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.kgs.com/en/Terms.and-Conditions.app</u> and, for electronic formal documents as Attention is drewn 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 solic responsibility is to its Client and this document does not exceerate parties to a transaction from exarcising all their rights and obligations under the transaction documents. This document cannot be reproduced exceept in full, without prior written approval of the Company. Any unauthorized alteration, forgery of fasilification of the rometer 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 related for 30 days only. Attention To chack the authenticity of festing aftenger mapped favorificate, please contact us at the phenetic (80-75);8007 1443,

19) Kadwillaul, Sketterh Park Quangdow Economic & Technology Development Dathit, Quangdow, Diete 5106663 1 (186-20) 82155555 1 (186-20) 82075188 www.sgagroup.com.cn 中国・广州・经济技术开发区科学城科获路198号 邮稿:510663 1 (186-20) 82155555 1 (186-20) 82075188 e sgs.china@sgs.com



No. : GZIN2104021062MR Date : Apr 23, 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.
- 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)/	GZMR-PL-	2020 05 27	2021 05 26
	XMX1010 (EDS)	E309	2020-05-27	2021-05-20

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 overleaf, available on request or accessible at http://www.ses.com/en/Terms.and-Conditions.anpx and. for electronic forms documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.ses.com/en/Terms.and-Conditions/Terms.and-Condition/</u>

19) Kadwillaul, Sketterh Park Quangdow Economic & Technology Development Dathit, Quangdow, Diete 5106663 1 (186-20) 82155555 1 (186-20) 82075188 www.sgagroup.com.cn 中国・广州・经济技术开发区科学城科获路198号 邮稿:510663 1 (186-20) 82155555 1 (186-20) 82075188 e sgs.china@sgs.com



Graphene Free Declaration

Manufacturer: Guangdong GangRong Medical Technology Co., Ltd Address: Floor 2, Block 13, Building 2, No. 68, Zhenxing Road, Dabu village, Sanxiang Town, Zhongshan City

Declares that the materials which are used on the PPE described hereafter are free of graphene.

Product Name	Particle filtering half mask	
Model	GR200	
Standard	EN 149:2001 + Al:2009	
Classification	FFP2 NR	

Signature:	John Su JDA	w.Sattam
Position:	Legal Representa	
Date:	2021-4-15	20303202