

摩拉西斯资质

专业呵护 远离疫情



摩拉西斯(吉林)生物科技有限公司

MOLASSES(JILIN)BIOTECHNOLOGY CO., LTD.

企业简介

摩拉西斯(吉林)生物科技有限公司,成立于2014年6月30日公司主要经营包括化妆品、纯天然植物护肤品、生物工程技术护肤品的研制、生产、销售;医药、保健品、健康用品的研发,医疗器械生产、销售;消毒剂、消毒用品(以上两项除危险化学品及易制毒品)、卫生用品、口罩、手套、针纺织品、特种劳动防护用品生产、加工、销售,日用杂品销售(依法须经批准的项目,经相关部门批准后方可开展经营活动)。注册资金一千万元,地址长春市净月开发区银阜路188号,公司员工120人。现是吉林省新型管状病毒肺炎疫情防控物资重点生产企业之一。



摩拉西斯(吉林)生物科技有限公司

MOLASSES(JILIN)BIOTECHNOLOGY CO.,LTD.

摩拉西斯(吉林)生物科技有限公司

摩拉西斯(吉林)生

营业执照



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营业执照

统一社会信用代码

912201013166517137

名称 摩拉西斯(吉林)生物科技有限公司
 类型 有限责任公司(自然人独资)
 法定代表人 岳邦飞
 经营范围 化妆品、护肤品、天然植物护肤品、生物工程、生物工程技术护肤品的研制、生产、销售、消毒用品、健康用品、防护用品、医疗器械生产、销售、卫生用品、(以上两项除危险化学品、烟花爆竹、民用爆炸物品生产、加工、销售、)口罩、手套、防护服、特种劳动防护用品生产、销售、(依法须经批准的项目,经相关部门批准后方可开展经营活动)。

注册资本 壹仟万元整
 成立日期 2014年06月30日
 营业期限 长期
 住所 长春市净月开发区银阜路188号1#厂房工程楼的1#厂房一楼

登记机关 2020年02月05日



国家企业信用信息公示系统网址: <http://www.gsxt.gov.cn>

国家市场监督管理总局监制

医疗器械生产许可证

医疗器械生产许可证

许可证编号：吉食药监械生产许202000008号

生产地址：长春市净月开发区银卓路188号1#厂房工程的1#厂房一楼

生产范围：
2017分类目录：
II类：14-13-手术室感染控制用品
14-14-医护人员防护用品。

住所：长春市净月开发区银卓路188号1#厂房工程的1#厂房

发证部门：吉林省药品监督管理局

有效期至：2025年3月29日
发证日期：2020年3月30日

企业名称：摩拉西斯(吉林)生物科技有限公司

法定代表人：岳邦飞

企业负责人：岳邦飞

国家药品监督管理局制

医疗器械生产产品登记表

医疗器械生产产品登记表

第1页, 共1页

企业名称	摩拉西斯(吉林)生物科技有限公司			
许可证编号	吉食药监械生产许 20200008 号			
许可证有效期限	2025年03月29日			
生产范围	2017分类目录: II类: 14-13-手术室感染控制用品; 14-14-医护人员防护用品。 (以下空白)			
生产产品列表				
序号	产品名称	注册号	登载日期	备注
1	一次性医用口罩	吉械注准 20202140095	2020.3.25	
2	医用外科口罩	吉械注准 20202140094	2020.3.25	
发证部门: 吉林省药品监督管理局 2020年3月30日 行政审批专用章				

对外贸易经营者备案登记表

备案登记表编号: 02650770

统一社会信用代码: 91220101316651715U

进出口企业代码: _____

经营者中文名称	摩拉西斯(吉林)生物科技有限公司		
经营者英文名称	Molasses (Jilin) biotechnology co., LTD		
组织机构代码	摩拉西斯(吉林)生物科技	经营者类型 (由备案登记机关填写)	有限责任公司
住所	长春市净月开发区银阜路188号厂房工程的1#厂房一楼		
经营场所(中文)	长春市净月开发区银阜路188号厂房工程的1#厂房一楼		
经营场所(英文)	1/f. Workshop 1 No. 188 Yinfu Road, Jingyue Development Zone, Changchun, Jilin, China		
联系电话	13756561755	联系传真	043188769009
邮政编码	130000	电子邮箱	2355620791@qq.com
工商登记注册日期	2014-6-30	工商登记注册号	_____

依法办理工商登记的企业还须填写以下内容

企业法定代表人姓名	岳邦飞	有效证件号	34230119781204440
注册资金	壹仟万元		(折美元)

依法办理工商登记的外国(地区)企业或个体工商户(独资经营者)还须填写以下内容

企业法定代表人/ 个体工商户负责人姓名	摩拉西斯(吉林)生物科技	有效证件号	
企业资产/个人财产			(折美元)

备注	
----	--

填表前请认真阅读背面的条款,并由企业法定代表人或个体工商户负责人签字、盖章。



2020年(海)月(区)日

海关备案

海关进出口货物收发货人备案回执

企业名称	摩拉西斯(吉林)生物科技有限公司
统一社会信用代码	91220101316651715U
海关备案日期	2020-04-13
海关编码	22019609MU
检验检疫备案号	2200210316
有效期	长期



自然人、法人或者非法人组织可通过“中国海关企业进出口信用信息公示平台” (<http://credit.customs.gov.cn>) 或者“互联网+海关” (<http://online.customs.gov.cn>) 查询海关公示的企业信息。

国外注册认证情况

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开具不可抗力相关事实性证明

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摩拉西斯(吉林)

检索

企业名称(中文)	企业名称(英文)	产品类别	统一社会信用代码	国外注册认证情况
摩拉西斯(吉林)生物科技有限公司	Molasses (Jilin) Biotechnology Co., Ltd.	医用口罩	91220101316651715U	欧盟CE

友情链接

政府部门

行业组织

国际机构

行业门户

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地址:北京市东城区朝阳门内大街南竹杆胡同6号(北京INN大厦3号楼)

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国家药品监督管理局审核编号:A-010239 京公网安备11010102002916号



医保商会官方微信

<http://www.cccmhpie.org.cn/Pub/6325/176257.shtml>

327号

FDA注册申请

U.S. Food & Drug Administration Establishment Registration & Device Listing

Establishment

MOLASSES(JILIN) BIOTECHNOLOGY CO., LTD
1/F WORKSHOP 1 NO.188 YINFU ROAD JINGYUE DEVELOPMENT ZONE
CHANGCHUN CITY, JILIN, CN 130000
Status: Active
Date of Registration Status: 2020

Owner/Operator:

MOLASSES(JILIN) BIOTECHNOLOGY CO., LTD
1/F WORKSHOP 1 NO.188 YINFU ROAD JINGYUE DEVELOPMENT ZONE
CHANGCHUN CITY, JILIN, CN 130000
Owner/Operator Number:10073215

Official Correspondent

BANGFEI YUE
MOLASSES(JILIN) BIOTECHNOLOGY CO., LTD
1/F WORKSHOP 1 NO.188 YINFU ROAD JINGYUE DEVELOPMENT ZONE
CHANGCHUN CITY, JILIN, CN 130000
Phone:86-137-56561755

US Agent:

LUAN HAI
5000 BIRCH ST STE 3000, NEWPORT BEACH CA US 92660
Phone: 971 3358143 Email: USFDAHUAMEI@HOTMAIL.COM

Proprietary Name: MOLASSES KN95 PROTECTIVE MASK
Classification Name: RESPIRATOR, SURGICAL
Product Code: MSH
Device Class: 2
Listing Number: D 402564

Proprietary Name: MOLASSES DISPOSABLE PROTECTIVE FACE MASK
Classification Name: ACCESSORY, SURGICAL APPAREL
Product Code: LYU
Device Class: 1
Listing Number: D 402565

U.S. Department of Health & Human Services

FDA U.S. FOOD & DRUG ADMINISTRATION

Home Food Drugs Medical Devices Radiation-Emitting Products Vaccines, Blood & Biologics Animal & Veterinary Cosmetics Tobacco Products

Establishment Registration & Device Listing

FDA Home Medical Devices Databases

New Search Back To Search Results

Establishment:
 MOLASSES(JILIN)BIOTECHNOIOGY CO.,LTD
 1/F WORKSHOP 1 NO.188 YINFU ROAD JINGYUE DEVELOPMENT ZONE
 CHANGCHUN Jilin, CN 130000
Status: Active, Awaiting Assignment Of Registration Number
Date Of Registration Status: 2020

Owner/Operator:
 MOLASSES(JILIN)BIOTECHNOIOGY CO.,LTD
 1/F WORKSHOP 1 NO.188 YINFU ROAD JINGYUE
 CHANGCHUN, Jilin CN 130000
Owner/Operator Number: 10073916

Official Correspondent:
 Bangfei Yue
 1/F WORKSHOP 1 NO.188 YINFU ROAD JINGYUE
 CHANGCHUN, Jilin CN 130000
Phone: 86-137-5656175-5

US Agent:
 LU HAI
 5000 BIRCH ST STE 3000
 Newport Beach, CA US 92660
Phone: 971 3358143 Ext
Email: USFDAHUAMEI@HOTMAIL.COM

* Firm Establishment Identifier (FEI) should be used for identification of entities within the imports message set

Page Last Updated: 05/19/2020

U.S. Department of Health & Human Services

FDA U.S. FOOD & DRUG ADMINISTRATION

Home Food Drugs Medical Devices Radiation-Emitting Products Vaccines, Blood & Biologics Animal & Veterinary Cosmetics Tobacco Products

Establishment Registration & Device Listing

FDA Home Medical Devices Databases

New Search Back To Search Results

Proprietary Name: Molasses Disposable Protective Face Mask
Classification Name: ACCESSORY, SURGICAL APPAREL
Product Code: LNU
Device Class: 1
Regulation Number: 878.4040
Medical Specialty: General & Plastic Surgery
Registered Establishment Name: MOLASSES(JILIN)BIOTECHNOIOGY CO.,LTD
Owner/Operator: MOLASSES(JILIN)BIOTECHNOIOGY CO.,LTD
Owner/Operator Number: 10073916
Establishment Operations: Manufacturer

U.S. Department of Health & Human Services

FDA U.S. FOOD & DRUG ADMINISTRATION

Home Food Drugs Medical Devices Radiation-Emitting Products Vaccines, Blood & Biologics Animal & Veterinary Cosmetics Tobacco Products

Establishment Registration & Device Listing

FDA Home Medical Devices Databases

New Search Back To Search Results

Proprietary Name: MOLASSES KN95 PROTECTIVE MASK
Classification Name: RESPIRATOR, SURGICAL
Product Code: MSH
Device Class: 2
Regulation Number: 878.4040
Medical Specialty: General & Plastic Surgery
Registered Establishment Name: MOLASSES(JILIN)BIOTECHNOIOGY CO.,LTD
Owner/Operator: MOLASSES(JILIN)BIOTECHNOIOGY CO.,LTD
Owner/Operator Number: 10073916
Establishment Operations: Manufacturer

B证

摩拉西斯(吉林)生物科技有限公司

LGAI Technological Center, S.A. (APPLUS)
Campus UAB - Ronda de la Font del Carme s/n
08193 Bellaterra (Barcelona)
T +34 93 567 20 00
www.applus.com

Applus+

摩拉西斯(吉林)生物科技有限公司

CERTIFICADO DE EXAMEN UE DE TIPO
EU-TYPE EXAMINATION CERTIFICATE



Notified Body No. 0370



No. 0370-4203-PPE/B

ORGANISMO NOTIFICADO Nº NOTIFIED BODY NUMBER	0370 - LGAI TECHNOLOGICAL CENTER (APPLUS)
SOLICITANTE APPLICANT	Molasses (Jilin) Biotechnology co., Ltd. 1 / f, Workshop 1 No.188 Yinfu Road, Jingyue Development Zone, Changchun, Jilin, China
FABRICANTE MANUFACTURER	Molasses (Jilin) Biotechnology co., Ltd. 1 / f, Workshop 1 No.188 Yinfu Road, Jingyue Development Zone, Changchun, Jilin, China
REGLAMENTO DE APLICACIÓN PARA DAR LA CONFORMIDAD / APPLICABLE REGULATION TO GIVE CONFORMITY: REGLAMENTO (UE) 2016/425 SOBRE LOS EQUIPOS DE PROTECCIÓN INDIVIDUAL REGULATION (EU) 2016/425 PERSONAL PROTECTIVE EQUIPMENT	
PROCEDIMIENTO DE EVALUACIÓN DE LA CONFORMIDAD CONFORMITY ASSESSMENT PROCEDURE	Módulo / Module: B EXAMEN UE DE TIPO / EU TYPE EXAMINATION
IDENTIFICACIÓN DEL EPI (NÚMERO DE TIPO) IDENTIFICATION OF THE PPE (TYPE NUMBER)	Ref.: Molasses-03 Protective mask
NIVEL O NIVELES DE RENDIMIENTO O LA CLASE DE PROTECCIÓN DEL EPI PERFORMANCE LEVEL OR PROTECTION CLASS OF THE PPE	Esta media máscara está fabricada sólo para la protección del COVID 19 This filtering half mask is manufactured for COVID-19 protection only
NORMAS APLICABLES / APPLICABLE STANDARDS	PPE-R/02.075 version 2 Filtering half mask to protect against COVID-19
FECHA DE EMISIÓN / ISSUE DATE	14/08/2020
VALIDEZ HASTA / VALIDITY UNTIL	14/08/2021
El presente certificado se mantendrá vigente durante 1 año siempre que el producto descrito no sea modificado y cumpla los requisitos esenciales de salud y seguridad establecidos en el Reglamento (UE) 2016/425, de acuerdo con la recomendación de la Comisión Europea (EU) 2020/403 para su uso por parte del personal sanitario. This certificate will remain valid for 1 year as long as the indicated product is not modified and fulfills the essential requirements of health and safety established in (EU) Regulation 2016/425, according to the recommendation 2020/403 for its use by healthcare professionals.	

p.a.

Applus+

LGAI Technological Center, S.A.

Xavier Ruiz Peña

Managing Director, Product Conformity B.U.



Este documento carece de validez sin su anexo técnico, cuyo número coincide con el del certificado.
This document is not valid without its technical annex, whose number coincides with the number of certificate.

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LGAI Technological Center, S.A. (APPLUS)
Campus UAB – Ronda de la Font del Carme, s/n
E - 08193 Bellaterra (Barcelona)
T +34 93 567 20 00
www.appluslaboratories.com

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Technical Annex Ed. 1
14/08/2020

ANEXO TÉCNICO
TECHNICAL ANNEX

0370-4203-PPE/B

I. MODELOS INCLUIDOS EN EL CERTIFICADO

REFERENCES INCLUDED IN THIS CERTIFICATE

MARCA BRAND	ZHAO DE ZHU
IDENTIFICACIÓN DEL EPI (NÚMERO DE TIPO) IDENTIFICATION OF THE PPE (TYPE NUMBER)	Ref.: Molasses-03 Protective mask
NIVEL O NIVELES DE RENDIMIENTO O LA CLASE DE PROTECCIÓN DEL EPI PERFORMANCE LEVEL OR PROTECTION CLASS OF THE PPE	Esta media máscara está fabricada sólo para la protección del COVID 19 This filtering half mask is manufactured for COVID-19 protection only
INFORME DE ENSAYO TEST REPORT	PTC20071702701C-EN01V02 issued by Precise Testing & Certification (Guangdong) Co.,Ltd.(PTC)

FFP1检测报告



中国认可
国际互认
检测
TESTING
CNAS L0593

Test Report SL52025258671901TX **Date:** June 17, 2020 **Page 1 of 9**
MOLASSES (JILIN) BIOTECHNOLOGY CO., LTD
1/F, WORKSHOP 1 NO.188 YINFU ROAD, JINGYUE DEVELOPMENT ZONE, CHANGCHUN JILIN, CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A) Protective mask
Style No. : Collapsible type
Composition : (A) Non-woven fabric, melt-blown fabric
Sample Color : (A) white
Manufacturer : MOLASSES (JILIN) BIOTECHNOLOGY CO., LTD
Manufacturer Address : 1/F, WORKSHOP 1 NO.188 YINFU ROAD, JINGYUE DEVELOPMENT ZONE, CHANGCHUN JILIN, CHINA
Test Performed : Selected test(s) as requested by applicant
Sample Receiving Date : May 26, 2020
Testing Period : May 27, 2020 - Jun 17, 2020
Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Conclusion:

Sample No.	Recommendation Level
(A)	FFP1 NR

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

Sara Guo (Account Executive)



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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 | 3rd Building No.889 Yuanfeng Road Xuhui District Shanghai, China 200233 | t (86-21) 61402666 | f (86-21) 64958783 | www.sgs.com.cn
Testing Center | 中国上海徐汇区宜山路889号3号楼 邮编: 200233 | t (86-21) 61402666 | f (86-21) 64958783 | e sgs.china@sgs.com

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FFP1检测报告



Test Report

SL52025258671901TX

Date: June 17, 2020

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Test Result

Personal Protective Equipment - Respiratory Protective Devices- Filtering Half Masks to Protect against Particles- Requirements, Testing, Marking

EN 149:2001+A1:2009

Clause 7.4 Packaging

(EN 149:2001+A1:2009 Clause 8.2)

Test Requirement	Results	Comment
Particle filtering half masks shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use.	Comply	Pass

Clause 7.5 Material

(EN 149:2001+A1:2009, Clause 8.2 & 8.3.1 & 8.3.2)

Test Requirement	Results	Comment
Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used.	Comply	Pass
After undergoing the conditioning described in 8.3.1 none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps.	Comply	
When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.	Comply	
Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.	Comply	

Clause 7.6 Cleaning and Disinfecting

(EN 149:2001+A1:2009, Clause 8.4 & 8.5 & 8.1)

Test Requirement	Results	Comment
If the particle filtering half mask is designed to be re-usable, the materials used shall withstand the cleaning and disinfecting agents and procedures to be specified by the manufacturer. With reference to 7.9.2, after cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class.	Not applicable (Not designed to be re-usable)	N.A

Clause 7.7 Practical Performance

(EN 149:2001+A1:2009, Clause 8.4)

Test Requirement	Results	Comment
The particle filtering half mask shall undergo practical performance tests under realistic conditions. These general tests serve the purpose of checking the equipment for imperfections that cannot be determined by the tests described elsewhere in this standard.	No imperfections	Pass



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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

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Testing Center: 3rd Building No.889, Yixian Road, Xuhui District Shanghai, China 200233 t (86-21) 61402666 f (86-21) 64956763 e sgs.china@sgs.com

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Test Report

SL52025258671901TX

Date: June 17, 2020

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Clause 7.8 Finish of Parts

(EN 149:2001+A1:2009, Clause 8.2)

Test Requirement	Results	Comment
Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.	Comply	Pass

Clause 7.9.1 Total Inward Leakage

(EN 149:2001+A1:2009, Clause 8.5)

Test Requirement	Results	Comment
The total inward leakage consists of three components: face seal leakage, exhalation value leakage (if exhalation value fitted) and filter penetration. For particle filtering half masks fitted in accordance with the manufacturer's information, at least 46 out of the 50 individual exercise results (i.e. 10 subjects x 5 exercises) for total inward leakage shall be not greater than: 25% for FFP1, 11% for FFP2, 5% for FFP3 and, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than: 22% for FFP1, 8% for FFP2, 2% for FFP3	Detail refer to Appendix 1	Meet FFP1, Meet FFP2

Appendix 1: Summarization of Test Data

Inward Leakage Test Data

Subject	Sample No.	Condition	Walk(%)	Head Side/side(%)	Head up/down(%)	Talk(%)	Walk(%)	Mean(%)
Zhou	1	A.R.	5.23	5.95	5.18	5.00	4.61	5.19
Luo	2	A.R.	5.89	7.26	6.08	6.45	6.56	6.45
Lu	3	A.R.	5.07	5.24	5.21	5.72	6.52	5.55
Wang	4	A.R.	3.18	4.34	6.05	3.22	5.28	4.41
Bao	5	A.R.	6.74	7.87	6.99	4.86	5.72	6.44
Ding	6	T.C.	4.65	4.97	4.70	3.29	4.36	4.39
Li	7	T.C.	6.65	7.32	7.53	7.74	6.38	7.12
Chen	8	T.C.	5.39	3.80	3.83	4.68	3.57	4.25
Song	9	T.C.	5.90	5.86	5.30	4.76	6.49	5.66
Ye	10	T.C.	8.22	7.51	8.34	6.89	7.00	7.59

Facial Dimension(mm)

Subject	Face length	Face Width	Face Depth	Mouth Width
Chen	125	150	120	58
Lu	115	132	107	48
Zhou	115	135	106	52
Li	125	130	107	46
Luo	125	136	100	43
Zheng	128	140	112	55
Wang	120	147	103	48
Song	120	140	100	50
Bao	130	134	104	50
Ding	134	150	110	52



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Liu	120	135	117	50			
Ye	126	137	105	52			

Clause 7.9.2 Penetration of Filter Material (EN 149:2001+A1:2009, Clause 8.11 & EN 13274-7:2019)

Test Requirement			Results	Comment
The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table.			Detail refer to Appendix 2	Meet FFP1
Classification	Maximum penetration of test aerosol			
	Sodium chloride test 95 l/min % max.	Paraffin oil test 95 l/min % max.		
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		

Appendix 2: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)
Sodium chloride test	As received	1	3.276
		2	3.184
		3	4.156
	Simulated wearing treatment	4	3.276
		5	4.126
		6	4.256
		7	7.326
		8	7.396
		9	8.124
Paraffin oil test	As received	10	8.179
		11	6.958
		12	8.105
	Simulated wearing treatment	13	6.997
		14	7.950
		15	8.158
		16	10.325
		17	11.179
		18	10.876
Flow conditioning : Single filter 95.0 L/min			



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Clause 7.10 Compatibility with Skin (EN 149:2001+A1:2009, Clause 8.4 & 8.5)

Test Requirement	Results	Comment
Materials that may come into contact with the wearer's skin shall not be known to be likely to cause irritation or any other adverse effect to health.	No irritation or any other adverse effect to health	Pass

Clause 7.11 Flammability (EN 149:2001+A1:2009, Clause 8.6)

Test Requirement	Results	Comment
The material used shall not present a danger for the wearer and shall not be of highly flammable nature When tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5 s after removal from the flame.	Detail refer to Appendix 3	Pass

Appendix 3: Summarization of Test Data

Flammability

Condition	Sample No.	Result
As received	1	NIL
	2	NIL
Temperature conditioned	3	NIL
	4	NIL

Clause 7.12 Carbon Dioxide Content of The Inhalation Air (EN 149:2001+A1:2009, Clause 8.7)

Test Requirement	Results	Comment
The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1.0 % (by volume)	Detail refer to Appendix 4	Pass

Appendix 4: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result(%)
As received	1	0.4546
	2	0.4537
	3	0.4542
		Mean value:0.45



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Clause 7.13 Head Harness

(EN 149:2001+A1:2009, Clause 8.4 & 8.5)

Test Requirement	Results	Comment
The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.	Comply	Pass
The head harness shall be adjustable or self-adjusting and shall be sufficiently robust to hold the particle filtering half mask firmly in position and be capable of maintaining total inward leakage requirements for the device.	Comply	

Clause 7.14 Field of Vision

(EN 149:2001+A1:2009, Clause 8.4)

Test Requirement	Results	Comment
The field of vision is acceptable if determined so in practical performance tests.	Comply	Pass

Clause 7.15 Exhalation Valve(s)

(EN 149:2001+A1:2009, Clause 8.2 & 8.9.1 & 8.3.4 & 8.8)

Test Requirement	Results	Comment
(a) A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.	Not applicable due to No exhalation valve	N.A.
(b) If an exhalation valve is provided it shall be protected against or be resistant to dirt and mechanical damage and may be shrouded or may include any other device that may be necessary for the particle filtering half mask to comply with 7.9.	Not applicable due to No exhalation valve	
(c) Exhalation valve(s), if fitted, shall continue to operate correctly after a continuous exhalation flow of 300 l/min over a period of 30 s.	Not applicable due to No exhalation valve	
(d) When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10N applied for 10 s.	Not applicable due to No exhalation valve	



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Clause 7.16 Breathing Resistance (EN 149:2001+A1:2009, Clause 8.9)

Test Requirement				Results	Comment
The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table:				Detail refer to Appendix 5	Meet FFP1, Meet FFP2, Meet FFP3
Classification	Maximum permitted resistance (mbar)				
	Inhalation		Exhalation		
	30 l/min	95 l/min	160 l/min		
FFP1	0.6	2.1	3.0		
FFP2	0.7	2.4	3.0		
FFP3	1.0	3.0	3.0		

Appendix 5: Summarization of Test Data

Breathing resistance (mbar)

As received	Flow rate(l/min)	1					2					3				
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
Inhalation	30	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.2
	95	0.8	1.0	0.9	0.9	1.0	1.0	1.0	0.9	0.8	0.8	1.0	1.0	0.9	0.8	0.8
Exhalation	160	2.0	2.2	2.1	2.1	2.2	2.0	2.2	2.1	2.0	2.2	2.0	2.0	2.2	2.1	2.2
Simulated wearing treatment	Flow rate(l/min)	4					5					6				
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
Inhalation	30	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.4
	95	0.9	1.1	1.0	1.0	1.0	0.9	1.1	1.0	1.0	0.9	0.9	1.0	1.0	0.9	1.1
Exhalation	160	2.1	2.2	2.3	2.1	2.3	2.1	2.1	2.3	2.3	2.2	2.1	2.1	2.2	2.1	2.3
Temperature conditioned	Flow rate(l/min)	7					8					9				
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
Inhalation	30	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3
	95	0.8	1.0	0.9	0.9	0.8	1.0	1.0	0.8	0.8	1.0	0.9	0.9	1.0	0.9	1.0
Exhalation	160	2.0	2.2	2.1	2.2	2.1	2.1	2.2	2.0	2.0	2.1	2.2	2.0	2.1	2.2	2.0

A: facing directly ahead; B: facing vertically upwards; C: facing vertically downwards; D: lying on the left side; E: lying on the right side



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Clause 7.17 Clogging

(EN 149:2001+A1:2009, Clause 8.9 & 8.10)

Test Requirement	Results	Comment																				
<p>Clause 7.17.2 Breathing resistance Valved particle filtering half mask After clogging the inhalation resistances shall not exceed: FFP1: 4 mbar, FFP2: 5 mbar, FFP3: 7 mbar at 95L/min continuous flow The exhalation resistance shall not exceed 3 mbar at 160 L/min continuous flow.</p> <p>Valveless particle filtering half masks: After clogging the inhalation and exhalation resistances shall not exceed: FFP1: 3 mbar, FFP2: 4 mbar, FFP3: 5 mbar at 95L/min continuous flow</p>	Optional for single shift device only	N.A.																				
<p>Clause 7.17.3 Penetration of filter material All types (valved and valveless) of particle filtering half masks claimed to meet the clogging requirement shall also meet the requirements.</p> <table border="1"> <thead> <tr> <th rowspan="2">Classification</th> <th colspan="2">Maximum penetration of test aerosol</th> </tr> <tr> <th>Sodium chloride test 95 l/min</th> <th>Paraffin oil test 95 l/min</th> </tr> </thead> <tbody> <tr> <td>n</td> <td>%</td> <td>%</td> </tr> <tr> <td></td> <td>max.</td> <td>max.</td> </tr> <tr> <td>FFP1</td> <td>20</td> <td>20</td> </tr> <tr> <td>FFP2</td> <td>6</td> <td>6</td> </tr> <tr> <td>FFP3</td> <td>1</td> <td>1</td> </tr> </tbody> </table>	Classification	Maximum penetration of test aerosol		Sodium chloride test 95 l/min	Paraffin oil test 95 l/min	n	%	%		max.	max.	FFP1	20	20	FFP2	6	6	FFP3	1	1	Optional for single shift device only	N.A.
Classification		Maximum penetration of test aerosol																				
	Sodium chloride test 95 l/min	Paraffin oil test 95 l/min																				
n	%	%																				
	max.	max.																				
FFP1	20	20																				
FFP2	6	6																				
FFP3	1	1																				

Clause 7.18 Demountable Parts

(EN 149:2001+A1:2009, Clause 8.2)

Test Requirement	Results	Comment
All demountable parts (if fitted) shall be readily connected and secured, where possible by hand	Comply	Pass



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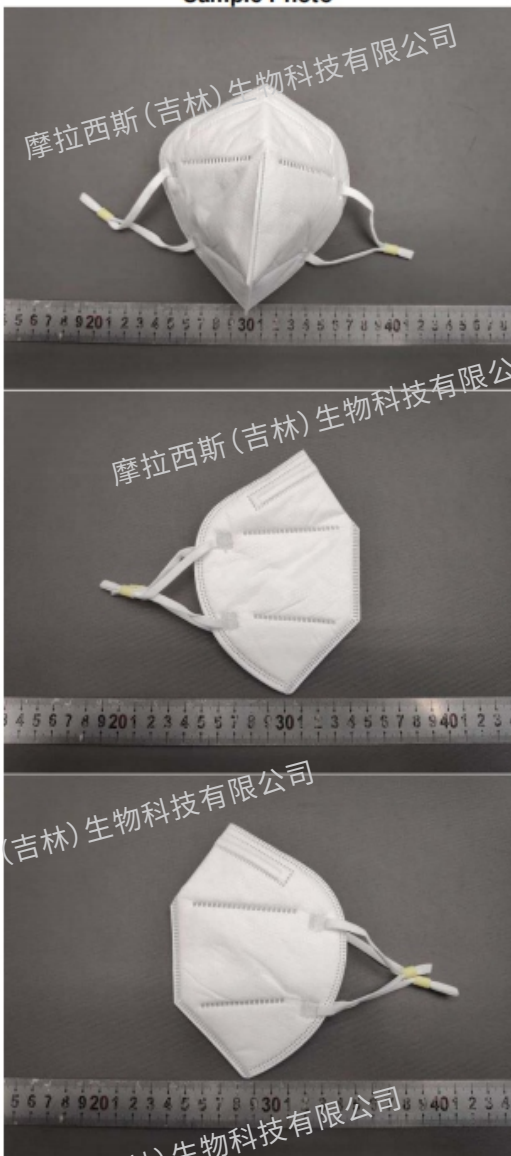


Test Report

SL52025258671901TX

Date: June 17, 2020

Sample Photo



(吉林)生物科技有限公司

摩拉西斯(吉林)生物

拉西斯(吉林)生物科技有限公司

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End of Report

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FFP2检测报告

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Test Report **SL52035261573101TX** Date: **July 22, 2020** Page 1 of 7
MOLASSES(JILIN)BIOTECHNOLOGY CO., LTD
1/F, WORKSHOP 1 NO.188 YINFU ROAD, JINGYUE DEVELOPMENT ZONE, CHANGCHUN, JILIN, CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A) Protective mask

Style No. : Collapsible Type

Composition : (A) Non-woven fabric, Melt-blown fabric

Sample Color : (A) WHITE

Manufacturer : MOLASSES(JILIN)BIOTECHNOLOGY CO., LTD

Manufacturer Address : 1/F, WORKSHOP 1 NO.188 YINFU ROAD, JINGYUE DEVELOPMENT ZONE, CHANGCHUN JILIN, CHINA

Previous No. : SL52025258671901TX

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Jun 28, 2020

Testing Period : Jun 28, 2020 - Jul 22, 2020

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Based on the results of the tests reported and the previous report SL52025258671901TX issued on Jun 17, 2020, our Lab concluded that the recommendation level can be as below.

Sample No.	Recommendation Level
(A)	FFP2 NR

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

Sara Guo

Sara Guo (Account Executive)



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Test Result

Personal Protective Equipment - Respiratory Protective Devices: Filtering Half Masks to Protect against Particles- Requirements, Testing, Marking

EN 149:2001+A1:2009

Clause 7.9.1 Total Inward Leakage

(EN 149:2001+A1:2009, Clause 8.5)

Test Requirement	Results	Comment
<p>The total inward leakage consists of three components: face seal leakage, exhalation valve leakage(if exhalation value fitted) and filter penetration. For particle filtering half masks fitted in accordance with the manufacturer's information, at least 46 out of the 50 individual exercise results (i.e. 10 subjects x 5 exercises) for total inward leakage shall be not greater than: 25% for FFP1, 11% for FFP2, 5% for FFP3</p> <p>and, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than: 22% for FFP1, 8% for FFP2, 2% for FFP3</p>	Detail refer to Appendix 1	Meet FFP1, Meet FFP2

Appendix 1: Summarization of Test Data

Inward Leakage Test Data

Subject	Sample No.	Condition	Walk(%)	Head Side/side(%)	Head up/down(%)	Talk(%)	Walk(%)	Mean(%)
Zhou	1	A.R.	6.33	5.73	6.39	5.92	6.28	6.13
Luo	2	A.R.	7.04	6.61	7.02	6.79	8.17	7.13
Lu	3	A.R.	6.70	5.76	5.99	6.44	5.97	6.17
Wang	4	A.R.	5.00	6.00	5.63	4.37	5.97	5.39
Bao	5	A.R.	8.36	6.26	6.96	5.74	7.46	7.06
Ding	6	T.C.	5.49	5.74	5.39	7.12	4.26	5.60
Li	7	T.C.	7.87	8.10	6.61	8.86	6.50	7.59
Chen	8	T.C.	7.25	4.78	5.36	4.73	5.59	5.54
Song	9	T.C.	6.26	7.23	5.91	5.85	7.18	6.49
Ye	10	T.C.	6.47	7.94	7.17	7.83	8.41	7.58

Facial Dimension(mm)

Subject	Face length	Face Width	Face Depth	Mouth Width
Chen	125	150	120	58
Lu	115	132	107	48
Zhou	115	135	106	52
Li	125	130	107	46
Luo	125	136	100	43
Zheng	128	140	112	55
Wang	120	147	103	48
Song	120	140	100	50
Bao	130	134	104	50
Ding	134	150	110	52
Liu	120	135	117	50
Ye	126	137	105	52



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Clause 7.9.2 Penetration of Filter Material

(EN 149:2001+A1:2009, Clause 8.11 & EN 13274-7:2019)

Test Requirement			Results	Comment
The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table:				
Classification	Maximum penetration of test aerosol			
	Sodium chloride test 95 l/min	Paraffin oil test 95 l/min		
	%	%		
	max.	max.		
FFP1	20	20		
FFP2	6	6		
FFP3	1	1		

Appendix 2: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)
Sodium chloride test	As received	1	0.674
		2	0.723
		3	0.695
	Simulated wearing treatment	4	0.704
		5	0.723
		6	0.690
	Mechanical strength + Temperature conditioned	7	0.879
		8	0.962
		9	0.902
Paraffin oil test	As received	10	1.864
		11	1.723
		12	1.694
	Simulated wearing treatment	13	1.574
		14	1.694
		15	1.725
	Mechanical strength + Temperature conditioned	16	1.991
		17	1.862
		18	1.974

Flow conditioning : Single filter: 95.0 L/min



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Clause 7.11 Flammability

(EN 149:2001+A1:2009, Clause 8.6)

Test Requirement	Results	Comment
The material used shall not present a danger for the wearer and shall not be of highly flammable nature When tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5 s after removal from the flame.	Detail refer to Appendix 3	Pass

Appendix 3: Summarization of Test Data

Flammability

Condition	Sample No.	Result
As received	1	NIL
	2	NIL
Temperature conditioned	3	NIL
	4	NIL

Clause 7.12 Carbon Dioxide Content of The Inhalation Air

(EN 149:2001+A1:2009, Clause 8.7)

Test Requirement	Results	Comment
The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume)	Detail refer to Appendix 4	Pass

Appendix 4: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result(%)
As received	1	0.4861
	2	0.4860
	3	0.4837
		Mean value: 0.49



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Clause 7.16 Breathing Resistance (EN 149:2001+A1:2009, Clause 8.9)

Test Requirement				Results	Comment
The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table:				Detail refer to Appendix 5	Meet FFP1, Meet FFP2, Meet FFP3
Classification	Maximum permitted resistance (mbar)				
	Inhalation		Exhalation		
	30 l/min	95 l/min	160 l/min		
FFP1	0.6	2.1	3.0		
FFP2	0.7	2.4	3.0		
FFP3	1.0	3.0	3.0		

Appendix 5: Summarization of Test Data

Breathing resistance (mbar)

	Flow rate(l/min)	1					2					3				
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
As received	Inhalation	30	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.3
		95	0.8	1.0	0.9	0.9	1.0	0.8	0.8	1.0	0.9	0.9	1.0	0.8	0.9	1.0
	Exhalation	160	2.0	2.2	2.1	2.0	2.1	2.0	2.1	2.0	2.1	2.1	2.2	2.2	2.1	2.2
Simulated wearing treatment	Inhalation	30	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3
		95	0.9	1.1	1.0	0.9	1.0	1.1	0.9	1.0	1.1	1.0	0.9	1.1	1.0	1.0
	Exhalation	160	2.1	2.3	2.2	2.1	2.2	2.2	2.1	2.2	2.1	2.3	2.3	2.2	2.2	2.1
Temperature conditioned	Inhalation	30	0.3	0.4	0.3	0.3	0.4	0.3	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.4
		95	0.9	1.1	1.0	0.9	1.0	1.0	0.9	0.9	1.0	0.9	1.1	1.0	1.1	1.1
	Exhalation	160	1.9	2.1	2.0	1.9	2.0	2.1	2.0	1.9	1.9	2.1	2.0	2.0	1.9	1.9

A: facing directly ahead; B: facing vertically upwards; C: facing vertically downwards; D: lying on the left side; E: lying on the right side

Test	Uncertainty
Total inward leakage	3.4%
Penetration of filter material	4.8%
Carbon dioxide content of the inhalation air	3.9%
Breathing resistance (30L/min)	5.9%
Breathing resistance (95L/min)	4.9%
Breathing resistance (160L/min)	4.3%



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Sample Photo



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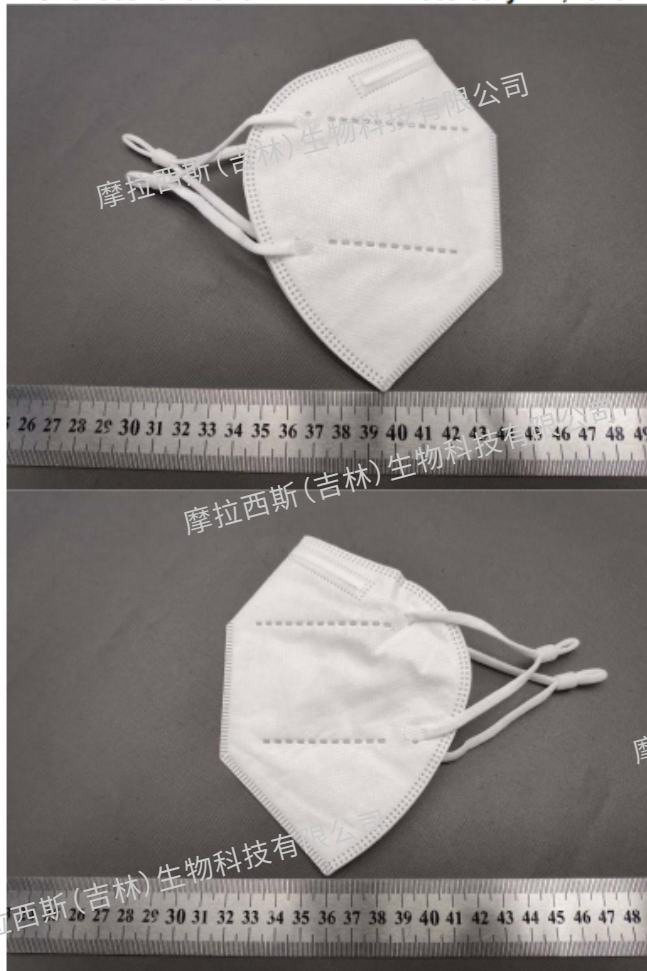


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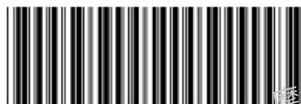
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	吸气阻力	GB 2626-2006	符合
	呼气阻力	GB 2626-2006	符合
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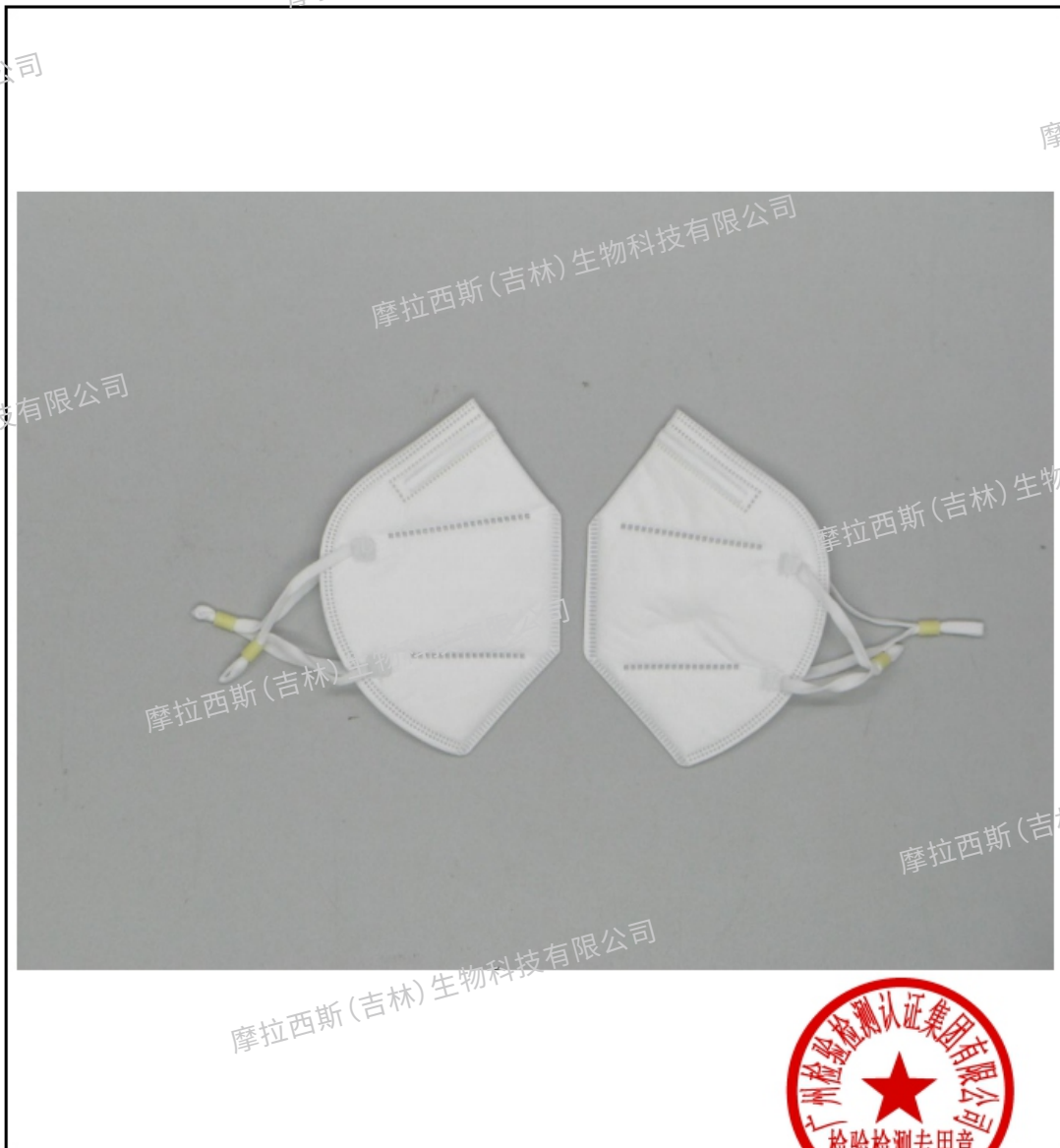


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检验检测项目 (计量单位) [样品识别]	测试方法	标准值及允差	检验检测结果	判定	备注
●NaCl颗粒物过滤效率(%)	GB 2626-2006 6.3 空气流量:85L/min 气溶胶颗粒:NaCl 气溶胶浓度:15mg/m ³ 温度:24.1℃ 湿度:36.2%	过滤效率: ≥95.0 (KN95)	过滤效率: 未处理样品 1# 96.62 2# 95.96 3# 96.58 4# 96.37 5# 96.16 6# 95.96 7# 96.27 8# 96.31 9# 95.89 10# 95.54 温湿度预处理后样品 1# 95.85 2# 96.27 3# 96.16 4# 95.78 5# 95.45	符合	
●吸气阻力(Pa)	GB 2626-2006 6.5 头模:中号	≤350	未处理样品: 1# 73.9 2# 74.4 预处理样品: 1# 66.5 2# 67.7	符合	
●呼气阻力(Pa)	GB 2626-2006 6.6 头模:中号	≤250	未处理样品: 1# 92.1 2# 93.2 预处理样品: 1# 87.1 2# 88.8	符合	
●视野(°)	GB 2890-2009 6.8	≥60	65	符合	
●头带	GB 2626-2006 6.11	面罩的每条头带、带扣及其他调节部件在承受10N的拉力,持续10s,不应出现滑脱或断裂。	未处理样品: 1# 符合要求 温湿度预处理后样品: 1# 符合要求	符合	
●可燃性(s)	GB 2626-2006 6.15	续燃时间 ≤5	续燃时间 未处理样品 1# 0.0 2# 0.0 温湿度预处理后样品 3# 0.0 4# 0.0	符合	
●外观检查[2个]	GB 2626-2006 6.1	按标准5.2条要求	符合要求		
备注	(本栏空白)				



——本报告结束——

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摩拉西斯(吉林)生物科技有限公司

摩拉西斯(吉林)生

国内2626广检



检验检测报告



报告编号: 200142100

防伪查询网址: www.gttc.net.cn
 防伪码: FOIO-3853-14

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委托单位	摩拉西斯(吉林)生物科技有限公司 地址: 长春市净月开发区银阜路188号厂房工程的1#厂房一楼				
客户认定信息	防护口罩 80个 批号款号: 20200520 颜色: 白色 材质: 无纺布、熔喷布 号型规格: 折叠型 生产单位: 摩拉西斯(吉林)生物科技有限公司				
检验性质	委托检测	样品受理/测试开始日期	2020-05-26	报告签发日期	2020-06-03
判定依据	GB 2626-2006 《呼吸防护用品 自吸过滤式防颗粒物呼吸器》				
综合检验结论	—				
检验检测结果	检验检测项目 (计量单位) [样品识别]	测试方法	标准值及允差	检验检测结果	判定
	●死腔	GB 2626-2006 6.9	二氧化碳体积分数应 不大于1%	二氧化碳体积分数: 1.0%	符合
备注	本报告中检验检测项目均在相应标准规定的环境条件下进行(有注明的除外)。复印件、副本未重新加盖报告书确认章无效。 本报告检验检测地址为广州市番禺区珠江路1号。				

签发: 郭子山 高级工程师

郭子山



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样品图片

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