



Certificate of Compliance

No. 0B200320M.GSI0031

Certificate's
Holder:

Guangdong Senda International
Trading Co., Ltd.
Room 1023, Building B, 579 Jingang Avenue,
Nansha District, Guangzhou A03, Guangdong
Province, China.

Certification ECM
Mark:



Product:

KN95 Folding Mask (non-sterile),
KN95 (general protection),
N95 Folding Mask (non-sterile)

Model(s):

KN101, KN103, KN105, KN107, KN109, KN111,
N011, N012, N013, N015, KN111, KN112,
KN113, KN114, KN102, KN104, KN106, KN108,
GB501, GB502, GB503, GB504, GB505,
GB506

Verification to:

Standard:
EN 149:2001+A1:2009
related to CE Directive(s):
R 2016/425 (Personal Protective Equipment)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products according to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:



The manufacturer is responsible for the CE Marking process. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01_ECM rev.3 available at: www.entecerma.it

Issuance date: 20 March 2020

Expiry date: 17 March 2025

Reviewer
Technical expert
Amanda Payne

Approver
ECM Service Director
Luca Bedonni

Ente Certificazione Macchine Srl

Via Ca' Bella, 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO) - ITALY
☎ +39 051 6705141 📠 +39 051 6705156 ✉ info@entecerma.it 🌐 www.entecerma.it



Shenzhen Tian Hai Test Technology Co.,Ltd.

CE Certificate of Conformity

Certification number: TH20DC-423S

Report number: TH20DR-423S

Shenzhen Tian Hai Test Technology Co.,Ltd. hereby declares that testing has been completed and reports have been generated for:

Applicant: Guangdong Senda International Trading Co., Ltd.
Address: Room 1023, Building B ,579 Jingang Avenue, Nansha District, Guangzhou A03
Manufacturer: Guangdong Senda International Trading Co., Ltd.
Address: Room 1023, Building B ,579 Jingang Avenue, Nansha District, Guangzhou A03
Product: KN95 Protective Mask
Model: KN101

And, in accordance with the following applicable directives:

(EU)2016/425 Personal Protective Equipment(PPE)

This product has been assessed against the following applicable standards;

Standard: EN 149:2001+A1:2009

Therefore, Shenzhen Tian Hai Test Technology Co.,Ltd. hereby acknowledges that the applicant may issue a DECLARATION of CONFORMITY and apply the CE marking in accordance with European Union Rules.

Attestation by:



Thomas Wong



Date of Issued: April 02, 2020



检测报告 (电子版)



防伪码: **QA271110657**

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客户提供信息	委托方	德化世平医卫防护用品有限公司 / 德化县浔中镇城东路22号顺美古玩城6楼		
	样品	KN95口罩	商标	---
	货/款/样号	---		
	规格号型	---	安全类别/等级	--- / ---
	生产单位	---		
样品描述	80个白色KN95口罩, 状态正常			
样品接收/试验日期	2020-03-26/2020-03-26 ~ 2020-04-02	检验类别	委托检验(送样)	
检测项目及方法	(见检测报告续页)			
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			
检验结论	(见检测报告续页)			
备注	根据委托方要求仅测试GB 2626-2006标准的部分项目。			

报告签发日期: 2020年4月2日



- 说明:
- 1、检测地点: 福州市照屿路17号
 - 2、报告无“检验检测专用章”无效, 无编制和审批签名无效, 报告涂改无效。
 - 3、未经本中心批准不得部分复制报告, 复制报告未重新加盖“检验检测专用章”无效。
 - 4、客户提供信息由委托方提供并确认, 本中心不对其真实性及完整性负责。
 - 5、本报告检测结果仅适用于所接收样品。
 - 6、对报告的异议请于收到报告之日起十五日内提出。

审批:

黄颖 高级工程师

编制:



检测报告续页

V20005042

第 2 页 共 3 页

检测项目	测试方法	标准值及允差 (随弃式面罩)	检测结果	单项判定
过滤效率, %	GB 2626- 2006 (测试气流量: 85L/ min)	KN95: ≥ 95.0 (氯化钠颗粒 物)	测试介质 (NaCl 颗粒 物): 未处理: ①99.331 ②99.592 ③99.472 ④99.362 ⑤99.254 ⑥99.251 ⑦99.536 ⑧99.467 ⑨99.802 ⑩99.711	符合
吸气阻力, Pa	GB 2626- 2006	≤ 350	未处理: ①90 ②88	符合
呼气阻力, Pa	GB 2626- 2006	≤ 250	未处理: ①83 ②81	符合
头带应承受的拉力	GB 2626- 2006	10N 持续10s, 不应出现滑脱或 断裂。	未处理: 符合要求	符合



检测报告附件

V20005042

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贴样/样品图片



报告正文结束



TEST REPORT

EN 149:2001+A1:2009

Respiratory protective devices-filtering half masks to protect against particles- requirements,testing



Guangdong Senda International Co., Ltd.

Room 1023, Building B ,579 Jingang Avenue, Nansha District, Guangzhou A03

Model: KN101

April 02,2020

This Report Concerns: <input checked="" type="checkbox"/> Original Report	Equipment Type: KN95 Protective Mask
Test Engineer: Eric/ <i>Eric</i>	
Report Number: TH20DR-423S	
Test Date: March 26 - 01, 2020	
Reviewed By: Prince/ <i>Prince</i>	
Approved By: Prince/ <i>Prince</i>	
Prepared By:	Shenzhen Tian Hai Test Technology Co.,Ltd. 4F, A3 BLDG, The Silicon Valley Power intelligent terminal industrial park, Guanlan street, Longhua district, Shenzhen Tel: +86-755-86615100 Fax:+86-755-86615105



Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior written consent of Shenzhen Tian Hai Test Technology Co.,Ltd.



TEST REPORT EN 149:2001+A1:2009 respiratory protective devices-filtering half masks to protect against particles- requirements,testing,marking	
Report	
Report reference No.	: TH20DR-423S
Tested by (+signature)	: Eric
Reviewed by (+signature)	: Prince
Approved by (+signature)	: Prince
Date of issue	: April 02,2020
Testing laboratory	
Name	: Shenzhen Tian Hai Test Technology Co.,Ltd.
Address	: 4F, A3 BLDG, The Silicon Valley Power intelligent terminal industrial park, Guanlan street, Longhua district, Shenzhen.
Test location	: Same as above
Client	
Name	: Guangdong Senda International Trading Co., Ltd.
Address	: Room 1023, Building B ,579 Jingang Avenue, Nansha District, Guangzhou A03
Test specification	
Standard	: EN 149:2001+A1:2009
Non-standard test method	: N.A.
Test item	
Description	: KN95 Protective Mask
Model and or type reference	: KN101
Trademark	: --
Manufacturer	: Guangdong Senda International Trading Co., Ltd.
Address	: Room 1023, Building B ,579 Jingang Avenue, Nansha District, Guangzhou A03
Note	: --





Test case verdicts

Test case does not apply to the test object : N/A (Not apply)

Test item does meet the requirement : P(Pass)

Test item does not meet the requirement : F(Fail)

General remarks:

""See remark #)""refers to a remark appended to the report.
""See appended table)""refers to a table appended to the report.
Throughout this report a comma is used as the decimal separator.
The test results presented in this report relate only to the object tested.
This report shall not be reproduced except in full without the written approval of the testing laboratory.

Attachment include:

Appendix for photo

Remarks:

Copy of the marking plate

Product: KN95 Protective Mask

Model: KN101

Classification: FFP2



EN 149:2001+A1:2009

Guangdong Senda International Trading Co., Ltd.

Room 1023, Building B ,579 Jingang Avenue, Nansha District, Guangzhou A03



EN 149:2001+A1:2009			
Clause	Requirement Test	Result	Verdict
4	Description		P
	A particle filtering half mask covers the nose and mouth and the chin		P
	These devices are designed to protect against both solid and liquid aerosols		P
5	Classification		P
	Particle filtering half masks are classified according to their filtering efficiency and their maximum total inward leakage. There are three classes of devices: FFP1, FFP2 and FFP3.	FFP2	P
6	Designation		P
	Particle filtering half masks meeting the requirements of this European Standard shall be designated in the following manner		P
	Particle filtering half mask EN149, year of publication, classification, option (where "D" is an option for a non re-useable particle filtering half mask and mandatory for re-useable particle filtering half mask		P
	Particle filtering half mask EN 149:2001 FFP1 NR D		N/A
7	Requirements		P
7.1	General		P
7.2	Nominal values and tolerances		P
	Except for temperature limits, values which are not stated as maxima or minima shall be subject to a tolerance of $\pm 5\%$.	All within $\pm 5\%$	P
	Unless other wise specified, the ambient temperature for testing shall be $(16-32)^{\circ}\text{C}$, and the temperature limits shall be subject to an accuracy of $\pm 1^{\circ}\text{C}$	23.8 $^{\circ}\text{C}$	P
7.3	Visual inspection		P
	The visual inspection shall also include the marking and the information supplied by the manufacturer.	Complied	P
7.4	Packaging		P
	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. Testing shall be done in accordance with 8.2.	Complied	P
7.5	Material		P
	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.	Complied	P
	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.		P
	Three particle filtering half masks shall be tested.	Complied	P
	When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.		P



EN 149:2001+A1:2009			
Clause	Requirement Test	Result	Verdict
	Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.		P
	Testing shall be done in accordance with 8.2.		P
7.6	Cleaning and disinfecting		N/A
	If the particle filtering half mask is designed to be re-usable, the materials used shall stand the cleaning and disinfecting agent and procedures to be specified by the manufacturer	Not re-usable	N/A
	Testing shall be done in accordance with 8.4 and 8.5.		N/A
7.7	Practical performance		P
7.8	Finish of parts		P
	Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs	No sharp edges or burrs	P
7.9	Leakage		P
7.9.1	Total inward leakage		P
	The total inward leakage consists of three components: face seal leakage, exhalation valve leakage and filter penetration		P
	For particle filtering half masks fitted in accordance with the manufacturer's information, at least 46 out of the 50 individual exercise results for total inward leakage shall be not greater than: 25% for FFP1, 11% for FFP2, 5% for FFP3	9%	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	6.3%	P
	Testing shall be done in accordance with 8.5.		P
7.9.2	Penetration of filter material		P
7.10	Compatibility with skin		P
	Materials shall not be known to be likely to cause irritation or any other adverse effect to health	Complied	P
	Testing shall be done in accordance with 8.4 and 8.5.		P
7.11	Flammability		P
	When test, the particle filtering half mask shall not burn or not to continue to burn for more than 5s after removal from the flame	Burn time: 3.3s	P
7.12	Carbon dioxide content of the inhalation air		P
7.13	Head harness		P
7.14	Field of vision		P
7.15	Exhalation valve(s)		N/A
	A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.		N/A
	Testing shall be done in accordance with 8.2 and 8.9.1.		N/A



EN 149:2001+A1:2009																									
Clause	Requirement Test	Result	Verdict																						
	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.	No exhalation valve	N/A																						
	Testing shall be done in accordance with 8.2.		N/A																						
	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.		N/A																						
	Testing shall be done in accordance with 8.3.4.		N/A																						
	When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10 N applied for 10 s.		N/A																						
	Testing shall be done in accordance with 8.8.		N/A																						
7.16	Breathing resistance		P																						
	The breathing resistance shall meet the requirements of table 2																								
	<table border="1"> <thead> <tr> <th rowspan="3">Classification</th> <th colspan="3">Maximum permitted resistance (mbar)</th> </tr> <tr> <th colspan="2">inhalation</th> <th>exhalation</th> </tr> <tr> <th>30 l/min</th> <th>95 l/min</th> <th>160 l/min</th> </tr> </thead> <tbody> <tr> <td>FFP1</td> <td>0,6</td> <td>2,1</td> <td>3,0</td> </tr> <tr> <td>FFP2</td> <td>0,7</td> <td>2,4</td> <td>3,0</td> </tr> <tr> <td>FFP3</td> <td>1,0</td> <td>3,0</td> <td>3,0</td> </tr> </tbody> </table>	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	30l/min: 0.7mbar 95l/min: 2.3mbar 160l/min: 2.8mbar	P
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																						
7.17	Clogging		P																						
7.17.2	Breathing resistance		P																						
7.17.2.1	Valved particle filtering half masks		N/A																						
	After clogging the inhalation resistances shall not exceed-- FFP1: 4 mbar, FFP2: 5 mbar, FFP3: 7 mbar		N/A																						
	At 95l/min continuous flow		N/A																						
	The exhalation resistance shall not exceed 3 mbar at 160 l/min continuous flow.		N/A																						
7.17.2.2	Valveless particle filtering half masks		P																						
	After clogging the inhalation resistances shall not exceed-- FFP1: 3 mbar, FFP2: 4 mbar, FFP3: 5 mbar	3.3 mbar	P																						
	At 95l/min continuous flow		P																						
7.17.3	Penetration of filter material		P																						
7.18	Demountable parts		N/A																						
8	Testing		P																						
9	Marking		P																						
9.1	Packaging		P																						
	The following information shall be clearly and durably marked on the smallest commercially available packaging or legible through it if the packaging is transparent.	Complied	P																						



EN 149:2001+A1:2009			
Clause	Requirement Test	Result	Verdict
9.1.1	The name, trademark or other means of identification of the manufacturer or supplier.	Guangdong Senda International Trading Co., Ltd.	P
9.1.2	Type-identifying marking.	KN101	P
9.1.3	Classification	FFP2	P
9.1.4	The number and year of publication of this European Standard.	EN 149:2001+A1:2009	P
9.1.5	At least the year of end of shelf life. The end of shelf life may be informed by a pictogram as shown in Figure 12a, where yyyy/mm indicates the year and month.	2021/12	P
9.1.6	The sentence 'see information supplied by the manufacturer', at least in the official language(s) of the country of destination, or by using the pictogram.		P
9.1.7	The manufacturer's recommended conditions of storage (at least the temperature and humidity) or equivalent pictogram		P
9.1.8	The packaging of those particle filtering half masks passing the dolomite clogging test shall be additionally marked with the letter "D".		N/A
	This letter shall follow the classification marking preceded by a single space.		P
9.2	Particle filtering half mask		P
	Particle filtering half masks complying with this European Standard shall be clearly and durably marked with the following:		P
9.2.1	The name, trademark or other means of identification of the manufacturer or supplier.	Guangdong Senda International Trading Co., Ltd.	P
9.2.2	Type-identifying marking.	KN101	P
9.2.3	The number and year of publication of this European Standard.	EN149:2001+A1:2009	P
9.2.4	Classification	FFP2	P
9.2.5	If appropriate the letter D (dolomite) in accordance with clogging performance.		N/A
9.2.6	Sub-assemblies and components with considerable bearing on safety shall be marked so that they can be identified.		P
10	Information to be supplied by the manufacturer		P
10.1	Information supplied by the manufacturer shall accompany every smallest commercial available package.		P
10.2	Information supplied by the manufacturer shall be at least in the official language(s) of the country of destination.		P
10.3	The information supplied by the manufacturer shall contain all information necessary for trained and qualified persons on		P
	-- application/limitations;		P
	-- the meaning of any colour coding;		P
	-- checks prior to use;		P
	-- donning, fitting;		P
	-- use;		P

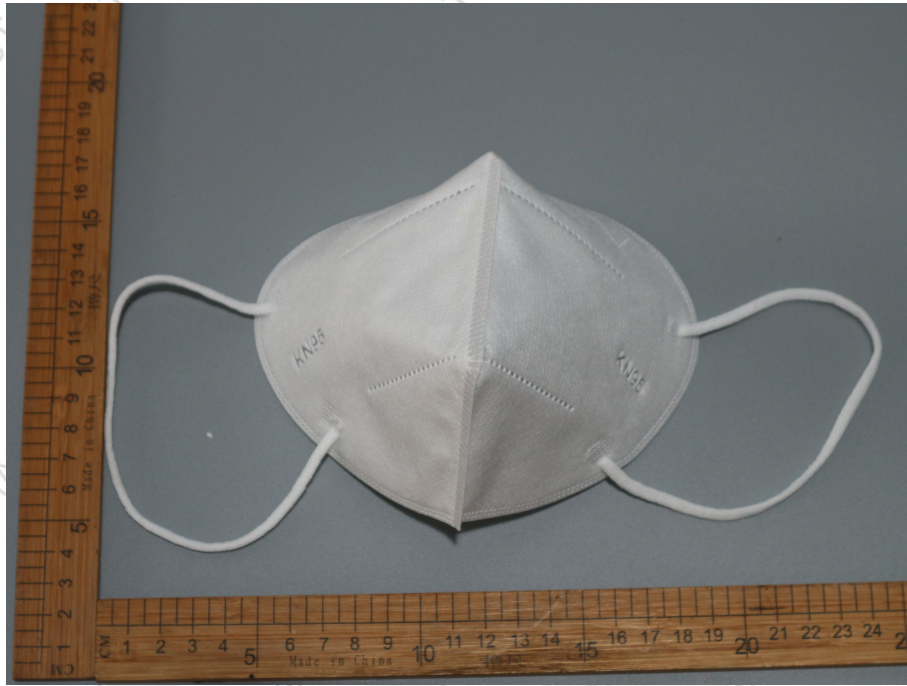


EN 149:2001+A1:2009			
Clause	Requirement Test	Result	Verdict
	-- maintenance (e.g. cleaning, disinfecting), if applicable;		P
	-- storage;		P
	-- the meaning of any symbols/pictograms used of the equipment.		P
10.4	The information shall be clear and comprehensible. If helpful, illustrations, part numbers, marking shall be added.	Complied	P
10.5	Warning shall be given against problems likely to be encountered, for example:		P
	--fit of particle filtering half mask (check prior to use);		P
	--it is unlikely that the requirements for leakage will be achieved if facial hair passes under the face seal;		P
	--air quality (contaminants, oxygen deficiency);		P
	--use of equipment in explosive atmosphere.		P
10.6	The information shall provide recommendations as to when the particle filtering half mask shall be discarded.		P
10.7	For devices marked "NR", a warning shall be given that the particle filtering half mask shall not be used for more than one shift.		N/A



EUT PHOTOGRAPHS





***** END OF THE REPORT *****