

For dustomer's reference only

## TEST REPORT

For

## SHENZHEN LEQI INTELLIGENT TECHNOLOGY CO., LTD

**Product Name: face mask** Model: KN95

SHENZHEN LEQI INTELLIGENT TECHNOLOGY CO., LTD Prepared For:

Floor 1-3, Building A, Guihua Industrial Park, Guanlan Town, Shenzhen.

FOR TUSTOMER'S TELEFORMER OF

China Ceprei (Sichuan) Laboratory

Prepared By: No.45 Wenming Dong Road Longquanyi District, Chengdu, Sichuan

> **Report Number:** SCCTCF025798-PPE

**Date of Test:** Mar.27, 2020

Date of Report: Mar.26, 2020

For the time is reference only



## TEST REPORT DECLARATION

Applicant : SHENZHEN LEQI INTELLIGENT TECHNOLOGY CO., LTD

Address : Floor 1-3, Building A, Guihua Industrial Park, Guanlan Town, Shenzhen.

Manufacturer : SHENZHEN LEQI INTELLIGENT TECHNOLOGY CO., LTD Address : Floor 1-3, Building A, Guihua Industrial Park, Guanlan Town,

Shenzhen, China

EUT Description : Face Mask Model No. : KN95

Technical Data : --Remark : N/A

Test Procedure Used:

EN 149: 2001+A1:2009

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The test results of this report relate only to the tested sample identified in this report.

Date of Test : Mar.27, 2020

For customer's reference (

Prepared by :

Checked by :

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Approved by :

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			in and a second	
		AMER'S PERE	raference	and Orlin
	-	Cliston,	The factor of th	D 1
	Property	Method	Principle / Requirements	Result
[	Classification	EN 149:2001+	Particle filtering half masks are classified	Pass.
	Classification	A1:2009	according to their filtering efficiency and	FFP2.
Mno son		Clause 5	their maximum total inward leakage. There	L Clarine
Mer.		COUCE OLIV	are three classes of devices:	
	e response	(S)	FFP1, FFP2 and FFP3.	
	Designation	EN 149:2001+	Particle filtering half masks meeting the	Pass.
	ola For	A1:2009	requirements of this European Standard shall	of felt en Cu
LQ!		Clause 6	be designated in the following manner:	-tomer's ru
		(Classical	Particle filtering half mask EN 149, year of	EOL CITZIA
			publication, classification, option (where "D"	
	Vino a		is an option for a non re-useable particle filtering half mask and mandatory for	1 (1.50)
	-oference		re-useable particle filtering half mask).	la constant
	Nominal	EN 149:2001+	Unless otherwise specified, the values stated	Pass. +5°C to
EOV CITE	values and	A1:2009	in this European Standard are expressed as	+38°C.
ol .	tolerances	Clause 7.2	nominal values. Except for temperature	relief C .
	150	in the second	limits, values which are not stated as maxima	
	l lan		or minima shall be subject to a tolerance of $\pm$	ouglow.
	3.4		5 %. Unless otherwise specified, the ambient	60
	OUL	dot.	temperature for testing shall be (16 - 32) °C,	LQ!
is leteler.		COURS OURS	and the temperature limits shall be subject to	
S1		of S Palation	an accuracy of ± 1 °C.	
	Visual	EN 149:2001+	The visual inspection shall also include the	Pass
	inspection	A1:2009	marking and the information supplied by the	- Cale St. Cr.
	Do alza sin s	Clause 7.3 EN 149:2001+	manufacturer.	Daga
	Packaging	A1:2009	Particle filtering half masks shall be offered for sale packaged in such a way that they are	rass
Pring		Clause 7.4&	protected against mechanical damage and	Clara.
	-c2	Clause 8.2	contamination before use.	41
	is reference		The visual inspection is carried out where	B1
	atomer's	,	appropriate by the test house prior to	W
9	Q Orac	a stornel	laboratory or practical performance tests.	and the same of th
ECI-SI	Material	EN 149:2001+	A breathing machine is adjusted to 25	Pass.
		A1:2009	cycles/min and 2,0 l/stroke. The particle	Melt blown
		Clause 7.5&	filtering half mask is mounted on a Sheffield	filter
	Man	Clause 8.3	dummy head. For testing, a saturator is incorporated in the exhalation line between	-150/20
	Tellering of	Vin	the breathing machine and the dummy head,	1 Citation
Laner's	eference only	The Topics of	the saturator being set at a temperature in	
alger.		oustomer's reve	excess of 37 °C to allow for the cooling of	S CUITY
	ଦେଖ	C) <sub>St</sub>	the air before it reaches the mouth of the	1
	(Classical For		dummy head. The air shall be saturated at (37	TO STREET
	1 Barrell		$\pm$ 2) °C at the mouth of the dummy head. In	"Plotte"
-		L	order to prevent excess water spilling out of	For custome is now
ence only		361	the dummy's mouth and contaminating the	(QEEE
Silver		HELUCE OUT	particle filtering half mask the head shall be	No.
	18 Cel	Sto.	inclined so that the water runs away from the	
	- Chaptures		mouth and is collected in a trap.	
	EOL CO	ر دري _	stories relieve	
		FOI O	For austamer's re-	
			- Fai.	

Testing shall be done in accordance with 8.4 and 8.5.  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.  Testing shall be done in accordance with 8.11.  Practical performance  EN 149:2001+ A1:2009 Clause 7.7& Clause 8.4  Clause 8.4  Clause 8.4  Clause 8.4  The subjects wearing normal working clothes and wearing the particle filtering half mask shall walk at a regular rate of 6 km/h on a level course. The test shall be continuous, without removal of the particle filtering half mask could undergo practical performance tests under The individual activities shall be arranged so that sufficient time is left for the comments prescribed.  a) walking on the level with headroom of (1,3 ± 0,2) m for 5 min; b) crawling on the level with headroom of (0,70 ± 0,05) m for 5 min;		N		mande only	
Expose the particle filtering half masks to the following thermal cycle:   a) for 24 h to a dry atmosphere of (70±3) or C;   b) for 24 h to a temperature of (-30±3) or C;   and allow to return to room temperature for at least 4 h between exposures and prior to subsequent testing.   The conditioning shall be carried out in a manner which ensures that no thermal shock occurs.   The conditioning shall be carried out in a manner which ensures that no thermal shock occurs.   Cleaning and disinfecting balf 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.   Testing shall be done in accordance with 8.4 and 8.5.		" OF DENY			-tomer's
Expose the particle filtering half masks to the following thermal cycle:   a) for 24 h to a dry atmosphere of (70±3) (*C; b) for 24 h to a temperature of (-30±3) (*C; and allow to return to room temperature for at least 4 h between exposures and prior to subsequent testing. The conditioning shall be carried out in a manner which ensures that no thermal shock occurs.   Cleaning and disinfecting   EN 149-2001+   A1:2009   The conditioning shall be carried out in a manner which ensures that no thermal shock occurs.   The conditioning shall be carried out in a manner which ensures that no thermal shock occurs.   The conditioning shall statisfy the particle filtering half mask shall statisfy the penetration requirement of the relevant class.   Testing shall be done in accordance with 8.4 and 8.5.   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.   Testing shall be done in accordance with 8.11.   Walking test and wearing the particle filtering half mask shall walk at a regular rate of 6 km/h on a level course. The test shall be continuous, without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could work simulation test.   The individual activities shall be arranged so that sufficient time is left for the comments prescribed.   a) walking on the level with headroom of (1,3 ± 0,2) m for 5 min;   b) crawling on the level with headroom of (0,70 ± 0,05) m for 5 min;   b) crawling on the level with headroom of (1,3 ± 0,2) m for 5 min;   c) filling a small basket (see Figure 1, approximate volume = 8 I) with chippings or other suitable material from a hopper which stands 1,5 m high and has an opening at the bottom to allow the contents to be shovelled out and a further opening at the top where the basket full of chippings is returned.   The subject shall stop or kneed and empty the contents back into the hopper. This shall be done 20	irements Result	Principle / Requireme	Method	Property	an <sub>zer</sub> .
rollowing thermal cycle:  a) for 24 h to a dry atmosphere of (70±3)  °C; b) for 24 h to a temperature of (-30±3) °C; and allow to return to room temperature for at least 4 h between exposures and prior to subsequent testing. The conditioning shall be carried out in a manner which ensures that no thermal shock occurs.  EN 149-2001+ A1-2009 Clause 7.6& Clause 8.4  Clause 8.5  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. Testing shall be done in accordance with 8.4 and 8.5.  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. Testing shall be done in accordance with 8.11.  Practical performance  Practical performance  Clause 7.8& Clause 7.8& Clause 7.8& Clause 7.8& Clause 7.8& Clause 7.8& Clause 8.4  EN 149-2001+ Walking test The subjects wearing normal working clothes and wearing the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask could undergo without removal of the particle filtering half mask c	Treat Treat	- M OUSING	1,10thou	Troperty	L
b) for 24 h to a temperature of (-30±3) °C; and allow to return to room temperature for at least 4 h between exposures and prior to subsequent testing.  The conditioning shall be carried out in a manner which ensures that no thermal shock occurs.  Cleaning and disinfecting A1:2009 Clause 8.4& Clause 8.4& Clause 8.5  With reference to 7.9.2, after cleaning and disinfecting agents and procedures to be specified by the manufacturer.  Testing shall be done in accordance with 8.4 and 8.5.  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.  Testing shall be done in accordance with 8.11.  Practical performance  A1:2009 A1:2009 A1:2009 A1:2001+ A1:2009 A1:2001- A1:2009 A1:2009 A1:2001- A1:2001	EOL CITES	following thermal cycle: a) for 24 h to a dry atmosphe		I COLOR	Who
The conditioning shall be carried out in a manner which ensures that no thermal shock occurs.  Cleaning and disinfecting A1:2009 Clause 7.6& Clause 8.4& Clause 8.5  Practical performance  EN 149:2001+ Malking test Practical Performance  EN 149:2001+ A1:2009 Clause 7.7& Clause 7.7& Clause 7.6& Clause 8.4  Clause 8.4  Clause 7.7& Clause 7.7& Clause 7.0% Clause 7.7& Clause 8.4  Clause 7.7&		b) for 24 h to a temperature of	eleuce out	Mer's re	EUrra
Cleaning and disinfecting  EN 149:2001+ A1:2009 Clause 7.6& Clause 8.5  Clause 8.5  Practical performance  EN 149:2001+ performance  EN 149:2001+ performance  EN 149:2001+ performance  A1:2009 Clause 7.7& Clause 8.4  Claus	sures and prior to	least 4 h between exposures subsequent testing.	ça.	Ed cizioni	T.
disinfecting Clause 7.6& Clause 8.4& Clause 8.5  Practical performance  EN 149:2001+ performance  EN 149:2001+ performance  The subjects wearing normal working clothes and wearing the particle filtering half mask shall walk at a regular rate of 6 km/h on a level course. The test shall be continuous, without removal of the particle filtering half mask for a period of 10 min. Work simulation test The individual activities shall be arranged so that sufficient time is left for the comments prescribed.  a) walking on the level with headroom of (0,70 ± 0,05) m for 5 min; b) crawling on the level with headroom of (0,70 ± 0,05) m for 5 min; c) filling a small basket (see Figure 1, approximate volume = 8 1) with chippings or other suitable materials used shall withstands 1,5 m high and has an opening at the bottom to allow the contents to be shovelled out and a further opening at the top where the basket full of chippings is returned. The subject shall stoop or kneel as he wishes and fill the basket with chippings. He shall then lift the basket with chippings. He shall then lift the basket and empty the contents back into the hopper. This shall be done 20	t no thermal shock	manner which ensures that no tooccurs.	I Calesan		La
Clause 8.4& Clause 8.5  Clause 8.6  Clause 8.6  Clause 8.6  Clause 8.7.8  Clause 8.4  Clau	iterials used shall	to be re-usable, the materials	A1:2009	AUV.1	
and 8.5.  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.  Testing shall be done in accordance with 8.11.  Practical performance  A1:2009 Clause 8.4  Clause 8.5  The subjects wearing normal working clothes and wearing the particle filtering half mask could undergo practical performance tests under the individual activities shall be arranged so that sufficient time is left for the comments prescribed.  a) walking on the level with headroom of (1,3 ± 0,2) m for 5 min; b) crawling on the level with headroom of (0,70 ± 0,05) m for 5 min; c) filling a small basket (see Figure 1, approximate volume = 8 l) with chippings or other suitable material from a hopper which stands 1,5 m high and has an opening at the bottom to allow the contents to be shovelled out and a further opening at the top where the basket full of chippings is returned.  The subject shall stoop or kneel as he wishes and fill the basket with chippings. He shall then lift the basket and empty the contents back into the hopper. This shall be done 20	specified by the	and procedures to be specimanufacturer.	Clause 8.4&	omers.	kar are
half mask shall satisfy the penetration requirement of the relevant class.  Testing shall be done in accordance with 8.11.  Practical performance  A1:2009 Clause 7.7& Clause 8.4  The subjects wearing normal working clothes and wearing the particle filtering half mask shall walk at a regular rate of 6 km/h on a level course. The test shall be continuous, without removal of the particle filtering half mask could undergo practical performance tests under realistic conditions.  Work simulation test The individual activities shall be arranged so that sufficient time is left for the comments prescribed.  a) walking on the level with headroom of (1,3 ± 0,2) m for 5 min; b) crawling on the level with headroom of (0,70 ± 0,05) m for 5 min; c) filling a small basket (see Figure 1, approximate volume = 8 l) with chippings or other suitable material from a hopper which stands 1,5 m high and has an opening at the bottom to allow the contents to be shovelled out and a further opening at the top where the basket full of chippings is returned.  The subject shall stoop or kneel as he wishes and fill the basket with chippings. He shall then lift the basket and empty the contents back into the hopper. This shall be done 20	after cleaning and	and 8.5. With reference to 7.9.2, after	per l	ICI.SS	
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mask, for a period of 10 min.  Work simulation test  The individual activities shall be arranged so that sufficient time is left for the comments prescribed.  a) walking on the level with headroom of (1,3 ± 0,2) m for 5 min;  b) crawling on the level with headroom of (0,70 ± 0,05) m for 5 min;  c) filling a small basket (see Figure 1, approximate volume = 8 l) with chippings or other suitable material from a hopper which stands 1,5 m high and has an opening at the bottom to allow the contents to be shovelled out and a further opening at the top where the basket full of chippings is returned.  The subject shall stoop or kneel as he wishes and fill the basket with chippings. He shall then lift the basket and empty the contents back into the hopper. This shall be done 20	1   1		l l		N
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and fill the basket with chippings. He shall then lift the basket and empty the contents back into the hopper. This shall be done 20	nts to be shovelled	bottom to allow the contents to out and a further opening at the		I Chicagon For	
back into the hopper. This shall be done 20	hippings. He shall	The subject shall stoop or kneel and fill the basket with chippin	once only		ice only
COLCULATION FOI CITY	± •	back into the hopper. This shal	300	For distance, a ref	
ALC (A) T		ar distanter's to	For cu	1	
		FOI T			

	Mno son		LT COLOR	13 Est
			"" SOUN	
tol cristowers	_	Pattier's Leve	To the feet of the second	00°19
	Property	Method	Principle / Requirements	Result
	Finish of parts	EN 149:2001+	Parts of the device likely to come into contact	Pass.
	i illisii oi parts	A1:2009	with the wearer shall have no sharp edges or	No sharp edges
343		Clause 7.8&	burrs.	and burrs.
was auna		Clause 8.2	Testing shall be done in accordance with 8.2.	1 Comment
of older.	Total inward	EN 149:2001+	1)walking for 2 min without head movement	Total inward
	leakage	A1:2009	or talking;	leakage is 9%.
	of Childhin	Clause 7.9.1&	2) turning head from side to side (approx. 15	Mag a
	60,	Clause 8.5	times), as if inspecting the walls of a tunnel	-af8/8/1/C2
ICI!		and a few	for 2 min;	ANTHEI'S IL
		1Cl	3) moving the head up and down (approx. 15	EOL CITZING
			times), as if inspecting the roof and floor for	
	Pilipo .		2 min; 4) reciting the alphabet or an agreed text out	150/10
	oference .		loud as if communicating with a colleague	A Committee of the Comm
	William Louis	laje,	for 2 min;	141
FOI CUE	Çi.	-tomer's	5)walking for 2 min without head movement	ands other
21.01		EQL CIERC	or talking.	le fel er.
	150	jedi .	The leakage P shall be calculated from	2
	I Care		measurements made over the last 100 s of	a stome
			each of the exercise periods to avoid carry	601
	OUP		over of results from one exercise to the other.	(Classical
reference		Vino so	Col (tni+try)	la.
Welg.		of Telefoldin	$P(\%) = \frac{C_2}{C_1} \times \left(\frac{t_{IN} + t_{EX}}{t_{IN}}\right) \times 100$	
	106	let a	ac (Blb)	Was
	kar on		where C <sub>1</sub> is the challenge concentration	-50 ETGB
	C C COLOR	- A	C <sub>1</sub> is the channel ge concentration in C <sub>2</sub> is the measured mean concentration in	Wildig Burn
	I leave	(Clarine	the breathing zone of the test subject	COL CITETON
Pilo		-	t <sub>IN</sub> is the total duration of inhalation	C) o
90	. 0	603	t <sub>EX</sub> is the total duration of exhalation	
	Penetration of	EN 149:2001+	The device shall be mounted in a leaktight	
	filter material	A1:2009	manner on a suitable adaptor and subjected to	The penetration
<	or digital	Clause 7.9.2	the test(s), ensuring that components of the	of paraffin oil
1501		tol digin	device that could affect filter penetration	test is 4%.
A inco		EOL O	values such as valves and harness attachment	The penetration of sodium
	1	S. S	points are exposed to the challenge aerosol.  Testing of penetration, exposure and storage	chloride test is
	null		shall be done in accordance with EN	3.3%.
	eference only		13274-7.	3.570.
.26	E ELD.	-ung our	The penetration of the filter of the particle	pr-
A PIDME		ors referen	filtering half mask shall meet the	Vin.
or displuele, e		CISTOPPE -	requirements of Table 1.	30.
	(Clean For	<u>_</u>	Table 1 — Penetration of filter material  Classification	-1 6/B/V
	( Calcino		Sodium chloride test 95 l/min Paraffin oil test 95 l/min % max. max.	S TEN
	B	(6	FFP1 20 20 FFP2 6 6	COLDINA.
Man	Compatibility	EN 149:2001+	Materials that may come into contact with the	Pass. Inner and
SLOUDS OF	with skin	A1:2009	wearer's skin shall not be known to be likely	out layer:
-	VI ICII DIXIII	Clause 7.10r	to cause irritation or any other adverse effect	
	LAMBLE TO	2	to health.	fabric
l	EOL CHEATH	<u> </u>	Anter's To	
	Olar	cor cu		
		EOL	For orstower	
			and E. Colorest	
		-	(City	

	Mogan		1 Car	1050
kal trisplusiye			My Carlot	
kol dizgra	Property	Method	Principle / Requirements	Result
e reference only	Flammability	EN 149:2001+ A1:2009 Clause 7.11& Clause 8.6	The facepiece is put on a metallic dummy head which is motorized such that it describes a horizontal circle with a linear speed, measured at the tip of the nose, of $(60 \pm 5)$ mm/s.	Pass. The particle filtering half mask does not to continue to
1	For distorner's re	Paran ea	The head is arranged to pass over a propane burner the position of which can be adjusted. By means of a suitable gauge, the distance between the top of the burner, and the lowest part of the facepiece (when positioned directly over the burner) shall be set to $(20 \pm 10^{-2})$	burn for more than 5 s after removal from the flame.
For Old	omer's reference only	For distance's relief	2) mm. With the head turned away from the area adjacent to the burner, the propane gas is turned on, the pressure adjusted to between 0,2 bar and 0,3 bar and the gas ignited. By means of a needle valve and fine adjustments to the supply pressure, the flame heigt shall	Reference only
stomer's reference	<sub>E</sub> Ori <sup>[6]</sup>	er's reference only	be set to $(40 \pm 4)$ mm. This is measured with a suitable gauge. The temperature of the flame measured at a height of $(20 \pm 2)$ mm above the burner tip by means of a 1,5 mm diameter mineral insulated thermocouple probe, shall be $(800 \pm 50)$ °C.	LO DIS
ince orbit	LOUECH FOR C	I Classical and the second sec	The head is set in motion and the effect of passing the facepiece once through the flame shall be noted.  The test shall be repeated to enable an assessment to be made of all materials on the exterior of the device. Any one component shall be passed through the flame once only.	For alstomar's reference
Alteria	Carbon dioxide content of the	EN 149:2001+ A1:2009 Clause 7.12&	For this test the particle filtering half mask shall be fitted securely in a leak-tight manner but without deformation to a Sheffield	Pass. The carbon dioxide content
For customer's	inhalation air	Clause 8.7	dummy head (see Figure 6). Air shall be supplied to it from a breathing machine adjusted to 25 cycles/min and 2,0 l/stroke and the exhaled air shall have a carbon dioxide content of 5 % by volume.	of the inhalation air (dead space) does not exceed an average of 1,0 %
	10 and the	ousborner's reference	The CO2 is fed into the breathing machine via a control valve, a flowmeter, a compensating bag and two non-return valves. Immediately before the solenoid valve a small quantity of exhaled air is preferably continuously withdrawn through a sampling	e anily
3 Telference only	For customer's ref	MENTER CIVIN	line and then fed into the exhaled air via a CO2 analyser.  To measure the CO2 content of the inhaled air, 5 % of the stroke volume of the inhalation	ICI SENT
ICE.	9,0	CO COLOR	For Oustoner's to	

	ance only		LTS:	I Carried and the same of the
tol dispullets		is reference of	THE DEAL STATES	AN.
OL OTT	Property	Method	Principle / Requirements	Result
Merence only	ICI.	erence only	phase of the breathing machine is drawn off at the marked place by an auxiliary lung and fed to a CO2 analyser. The total dead space of the gas path (excluding the breathing machine) of the test installation should not	Eol Cripes
	Eol chalpulate .		exceed 2000 ml.  Measure the carbon dioxide content of the inhaled air and record continuously.	Carrie Oly
IQ!	Head harness	EN 149:2001+ A1:2009 Clause 7.13	The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.	Pass
FOT CLE	omer's reference only	countries to refer	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	toronce only
CA <sub>20</sub>	Field of vision	EN 149:2001+ A1:2009 Clause 7.14	device.  The field of vision is acceptable if determined so in practical performance tests.	Not applicable
mer's reference	Exhalation valve(s)	EN 149:2001+ A1:2009 Clause 7.15	A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.  Exhalation valve(s), if fitted, shall continue to operate correctly after a continuous	Pass.
3 Orbit	112 Edward Fox	I Career and the second	exhalation flow of 300 l/min over a period of 30 s.  When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10 N applied for 10	For customer's reference
	Breathing resistance	EN 149:2001+ A1:2009 Clause 7.16& Clause 8.9	Seal the particle filtering half mask on the Sheffield dummy head. Measure the exhalation resistance at the opening for mouth of the dummy head using the adapter shown in Figure 6 and a breathing machine	Inhalation resistance at 30 l/min:<0.7mbar. Inhalation
of distiner's f	alerence only	dustomen's reference only	adjusted to 25 cycles/min and 2.0 l/stroke or a continous flow 160 l/min. Use a suitable pressure transducer.  Measure the exhalation resistance with the dummy head successively placed in 5 defined positions:  - facing directly ahead	l/min:<2.4mbar. Exhalation resistance at 160 l/min: <3.0mbar.
Hence only	LOUISIAN FOR	rence only	<ul> <li>facing vertically upwards</li> <li>facing vertically downwards</li> <li>lying on the left side</li> <li>lying on the right side</li> <li>Test the inhalation resistance at 30 l/min and 95 l/min continuous flow.</li> <li>The breathing resistances apply to valved and</li> </ul>	For Distance is release
IN!	Forces	10 co	Storner's related	

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60.	Property	Method	Principle / Requirements	Result
	,		Est disease	15 TEFETE
		ı	valveless particle filtering half masks and shall meet the requirements of Table 2.  Table 2 – Breathing resistance	For customers
Who are			Classification Maximum permitted resistance (mbar)	(Classical Control of the Control of
ie teletenas auto		ore orly	inhalation exhalation	B.F.
10,	90	ELEI ITT	30 l/min 95 l/min 160 l/min  FFP1 0,6 2,1 3,0	
	-tomer's		FFP2 0,7 2,4 3,0	201
	EQL CITE !		FFP3 1,0 3,0 3,0	with Child
	Clogging	EN 149:2001+	Convey dust from the distributor to the dust	Not applicable
LES!		A1:2009	chamber where it is dispersed into the air	storner 5
		Clause 7.17&	stream of 60 m/h.	Eot citatomia
		Clause 8.10	Fit the sample particle filtering half mask in a	
,			leaktight manner to a dummy head or a	-160/101
	CUCE OLVI		suitable filter holder located in the dust	
	te lelele.		chamber. Connect the breathing machine and	
	oner's reference	19 (9/8)	humidifier to the sample and operate for the	Phys
E OL CITA		a storner	specified testing time.	- TENCE OIL
- LEGITAL		EQL COL	1	In fall Co.
The state of the s		c2 <sup>1</sup>	The concentration of dust in the test chamber	.34
			may be measured by drawing air at 2 l/min	austomer's
			through a sampling probe equipped with a	Karana Ea area
	Mno		pre-weighed, high efficiency filter (open face,	and Section
Origina.	80	Pilin	diameter 37 mm) located near the test sample,	1 Color
10/61-01		Color Color	as shown in Figure 10.	
ISIOTREP'S REFERENCE		13 Toller	Calculate the dust concentration from the	
		(C)	weight of dust collected, the flow rate	Man
	kar on		through the filter and the time of collection.	50167CB CT.
	Demountable	EN 149:2001+	All demountable parts (if fitted) shall be	Not applicable
	parts	A1:2009	readily connected and secured, where	ousland.
	1	Clause 7.18	possible by hand.	60,0
1000	1	1	<u>,</u>	C

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For customer's reference only (Classical For ouslander's reference only **ANNEX: Technical Informations** is reference only (1)Product Photos For customer's reference only stomer's reference only For Dustomer's reference only A.1 For oustainer's reference only For customer's reference only POTOTOLE For customer's reference any A.2 For Distance's Reference only For customer's reference only For customer's reference only For customer's reference on For customer's reference only For the done is reference only For Dustamer's reference only