

Report No.: S20072100601E-R1



page 1 of 12

Test Report

Applicant: Address:

DONGGUAN DINGYANG PRODUCT CO., LTD. Rm.201, 191 Shipai Zhongxin Road, Shipai, Dongguan, Guangdong, China

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

Product name:	Non medical protective mask
Model: 🦯 🛛 🔨	DY-06
Trade mark:	MASK ONE
Manufacturer:	DONGGUAN DINGYANG PRODUCT CO., LTD.
Address:	Rm.201, 191 Shipai Zhongxin Road, Shipai, Dongguan, Guangdong,
	China
Claim level:	FFP2 A A A A A A

Sample quantity:

Sample Received Date: Testing Period: Jul. 21, 2020 Jul. 21, 2020~ Jul. 26, 2020

130 Pcs

Test Requirement:

According to the requirement of the client, the test item(s) of the sample is according to the standard EN149:2001+A1:2009.

Test Result(s): Please refer to the following page(s)

Test Method: Please refer to the following page(s)

Marte lino

Compiled by:

Reviewed by:

Approved by:

Date:

2020-07-29

Report No.: S20072100601E-R1

page 2 of 12

Summary of assessment*	* * * *
Clause	Assessment
7.3 Visual inspection	
7.4 Packaging	Pass A
7.5 Material	Pass
7.6 Cleaning and disinfecting	N.A
7.7 Practical performance	Pass
7.8 Finish of parts	🔨 🔥 Pass 🔥
7.9.1 Total inward leakage	Pass
7.9.2 Penetration of filter material	Pass A
7.10 Compatibility with skin	Pass
7.11 Flammability	Pass A
7.12 Carbon dioxide content of the inhalation air	Pass
7.13 Head harness	🔨 💉 Pass 🔥
7.14 Field of vision	Pass
7.15 Exhalation valve(s)	N.A.
7.16 Breathing resistance	Pass L
7.17 Clogging	N.A
7.18 Demountable parts	N.A.

Key

Pass	Requirement satisfied.
NRq	The clauses were not required.
Fail	Requirement not satisfied. Refer to the "Result details" section for more information.
N.A.	Assessment not carried out.

Assessment relates only to those specimens which were tested and are the subject of this report.



Report No.: S20072100601E-R1

Test Result

Respiratory Protective Devices — Filtering Half Masks to Protect against Particles — Requirements, Testing, Marking (EN 149:2001+A1:2009)

Clause 7.3 Visual inspection

Test Requirement	Results	Comment
	The clauses	N N .
Marking and the information supplied by the manufacturer, requirements refer to clause 9 and clause 10.	were not	NRq
requirements refer to clause 9 and clause 10.	required.	A 15

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	2 2 .	5 5 4
in such a way that they are protected against mechanical	Comply	Pass
damage and contamination before use.	E E	8 8 1

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 face piece or straps.	Comply	Pass
When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.	Comply	Pass
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	Pass

NTEK北测

Report No.: S20072100601E-R1

Clause 7.6 Cleaning and Disinfecting

(EN 149:2001+A1:2009, Clause 8.4 & 8.5 & 8.11)

Test Requirement	Results	Comment
If the particle filtering half mask is designed to be re-usable,		
the materials used shall withstand the cleaning and	5 5 5	5 5
disinfecting agents and procedures to be specified by the	Assessment not	t
manufacturer.	carried out.	N.A.
With reference to 7.9.2, after cleaning and disinfecting the		5 5
re-usable particle filtering half mask shall satisfy the	at at a	t at a
penetration requirement of the relevant class.	2 2 2	2 2

Clause 7.7 Practical Performance

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

Test Requirement	Results	Comment
	Sample 11#~12#:	
General:	N N N	
a) head harness comfort	5 5 5	5 5
b) security of fastenings	No imperfections	* & 4
c) field of vision	5 5 5	5 5
d) any other comments reported by the wearer on request.		L
Walking Test:		
The subjects wearing normal working clothes and wearing	5. 5. 5.	5 5
the particle filtering half mask shall walk at a regular rate of 6	No imperfections	tot
km/h on a level course. The test shall be continuous, without		S 5
removal of the particle filtering half mask, for a period of 10		Pass
min. C C C C C C		
Work Simulation Test:	2 2 2	5 5
a) walking on the level with headroom of (1.3 ± 0.2) m for 5min	t t t	t t
b) crawling on the level with headroom of (0.7 \pm 0.05)m for	8 8 8	
	2 2 2 2	2 2
c) filling a small basket (see Figure 1, approximate volume =	No imperfections	
8 L) with chippings or other suitable material from a hopper	5 5 5	5 5
which stands 1.5 m high and has an opening at the bottom to	tt	tt
allow the contents to be shovelled out and a further opening	R R R	
at the top where the basket full of chippings is returned.	7 7 7	2 2

Shenzhen NTEK Testing Technology Co., Ltd. | Address: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R.China. | Tel: +86-755-36995508 | Fax: +86-755-36995505 http://www.ntek.org.cn Complaint Tel: +86-755-36995510 | Complaint E-mail: complaint@ntek.org.cn

page 4 of 12

Report No.: S20072100601E-R1

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	No sharp edges or	See S
shall have no sharp edges or burrs.	burrs	Pass

Clause 7.9.1 Total Inward Leakage

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

Test Requirement	Results	Comment
For particle filtering half masks fitted in accordance with the		
manufacturer's information, at least 46 out of the 50 individual	5. 5.	2 4
exercise results (i.e. 10 subjects x 5 exercises) for total inward	* * *	* *
💊 🔥 🔨 leakage shall be not greater than:	N 8 8	
25% for FFP1	2 2	2.2
11% for FFP2	Detail refer to	Pass
5% for FFP3	Appendix 1	Fass
and, in addition, at least 8 out of the 10 individual wearer arithmetic	tt	tt
means for the total inward leakage shall be not greater than:		
22% for FFP1	2 2	2 4
8% for FFP2	t t b	* *
2% for FFP3	1 5 5	

Appendix 1: Summarization of Test Data

1 4	2	7	Normal	Head	Head	Speak	Normal	2 4
Subject	Sample	Condition	Breathing	Side/Side	Up/Down	Loudly	Breathing	Mean
5 5	5	S.	(%)	(%)	(%)	(%)	(%)	(%)
Zhai	1#	A.R.	2.9	3.6	3.5	3.9	3.2	3.42
Wu 📈	2#	A.R.	3.4	4.2	4.5	4.8	4.0	4.18
Ма	3#	A.R.	2.0	2.5	2.4 🔷	2.9	2.2	2.40
CLI /	4#	A.R.	3.1	3.8	3.5	4.0	3.2	3.52
Zhang	5#	A.R.	<u> </u>	4.5	4.7 💉	5.1	4.1	4.48
Fan	6#	T.C.	3.8	4.3	4.1	4.6	3.6	4.08
Yang	7#	T.C.	4.9	5.5	5.4	5.8	5.3	5.38
Shi	8#	T.C.	6.1	6.7	6.5	6.9	6.3	6.50
Chen	- 9# 📈	Т.С.	5.2	5.8	5.7	6.4	5.5	5.72
🔨 He 🔨	10#	T.C.	5.8 🔨	6.3	6.1 🔨	6.5	5.7	6.08

Report No.: S20072100601E-R1

page 6 of 12

Facial Dimension:

Subject		Length of Face	Width of Face	Depth of Face	Width of Mouth
1	Subject	(mm)	(mm)	(mm)	(mm)
4	Zhai	135	165	125	53
	eWu e	112	172	<u>-118</u>	55
x	Ma	120	158	110 1	50
~	Sti Si	112	146	112	50
1	Zhang	120	175	115	57
1	Fan	120	155	115	55 🖉
	Yang	125	165	120	55
t	Shi 🖉	110	144	117	46
	Chen 了	\$ 111	137 🛆	121	53
A	He	114	127	121	51
41	47 47	07 07	47 47	07 07 07	47 47

Clause 7.9.2 Penetration of Filter Material

25

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

1

it it	Test Requirement		Results	Comment
	of the filter of the particle filten nents of the following table.	A A A	A A	
to the second	Maximum penetrati	on of test aerosol	t t	t At .
5 5 5	Sodium chloride test	Paraffin oil test	5. 4.	5 5
Classification	95 L/min 🔶	95 L/min 🙏	Detail refer to	* *
8 8 8	× % × <	% 🔨 🗸	Appendix 2	Pass
	max.	max.	4 4	2 2
FFP1	20	20		5 .45 .
FFP2	2 62 2	2 6 2 2	5 5	5 5
FFP3	t t t	* * *	* *	t t

Report No.: S20072100601E-R1

Appendix 2: Summarization of Test Data

Penetration of filter material

x x	A A	Cample	Penetrati	ion (%)	Assessment
Aerosol	Condition	Sample No.	Average in 30s after 3 min	Max. during exposure	L L L
	The second	13#	1.3		
* *	A.R.	14#	1.4	L T L	+ +
5 5	Nº Nº	15# 🔨	1.4		5 5
tout	t t	22#	1.4	tit	+ +
Sodium chloride test	S.W.	23#	1.4	S I S	5 5
x x	at at	24#	1.3	at 1 at	+ . + .)
5 5	s" s" .	<u> </u>		3.1	5 5
x x	M.S. + T.C.	26#	+ + +	3.4	+ +)
5 5	Š Š.	<u>^</u> 27# <u></u>		3.3	5 5
t t	A A	16#	3.5	t't	Pass
S S	A.R.	<u></u>	3.5	5 5 5	St S
at at		18#	3.4	t't	+ + .
Paraffin oil	з ^с з ^с ,	<u> </u>	<u> </u>	5 5 5	5 5
test	S.W.	20#	2.9	at 1 at 1	t at a
st st		<u>^</u> 21# <u></u>	3.5	5 5 5	5 5
of of	at at	28#	t at at	5.1	* *
5 5	M.S. + T.C.	<u>\$</u> 29# <u>\$</u>	515	5.0	2 2
at at	at at	30#	t at at	5.0	t at
5 5	S Flow	conditionin	g: 95.0 L/min 🔬	5 5 5	5 5

Clause 7.10 Compatibility with Skin

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

5 4 4	Test Requirement	Results	Comment
Materials that m	ay come into contact with the wearer's skin shall	No irritation or any	4
not be known to	be likely to cause irritation or any other adverse	other adverse effect	Pass 了
effect to health.	بار بار بار بار بار بار	to health	-

Shenzhen NTEK Testing Technology Co., Ltd. | Address: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R.China. | Tel: +86-755-36995508 | Fax: +86-755-36995505 http://www.ntek.org.cn Complaint Tel: +86-755-36995510 | Complaint E-mail: complaint@ntek.org.cn

page 7 of 12

Report No.: S20072100601E-R1

Clause 7.11 Flammability

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

5	Test Requirement	Results	Comment
The	material used shall not present a danger for the wearer and	5 5 5	5 5
sha	Il not be of highly flammable nature when tested, the particle	Detail refer to	Pass
filter	ring half mask shall not burn or not to continue on burn for	Appendix 3	Pass
mor	e than 5 s after removal from the flame.	5 5 5	5 5

Appendix 3: Summarization of Test Data

Flammability

4	Condition	Sample No.	Result	Assessment
X	A.R.	31#	Flammable, burn for no more than 5 s	* * * *
	A.R.	32#	Flammable, burn for no more than 5 s	and the the
A.	STO STO	33#	Flammable, burn for no more than 5 s	Pass
de la	T.C.	34#	Flammable, burn for no more than 5 s	a a a

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)	Detail refer to	Pass
shall not exceed an average of 1.0 % (by volume)	Appendix 4	r dss

Appendix 4: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result	5.4	Assessment
* * *	35#	0.32%	Mean value	* * *
A.R.	R. 36#	0.24%	0.27%	Pass
	37#	0.24%	0.21%	t t

「EK」」に辺 N

Report No.: S20072100601E-R1

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	1 1
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	Pass 5

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	Comply	Pass
2 2 2 2 2 2 2 2 2 2	2 2	2 2

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
1 100	a) A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.	Assessment not carried out.	A A
11. 11	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.	Assessment not carried out.	N.A.
111	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.	Assessment not carried out.	AND A
111	(d) When the exhalation valve housing is attached to the face blank, it shall withstand axially a tensile force of 10N applied for 10 s.	Assessment not carried out.	AN A

Shenzhen NTEK Testing Technology Co., Ltd. | Address: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R.China. | Tel: +86-755-36995508 | Fax: +86-755-36995505 http://www.ntek.org.cn Complaint Tel: +86-755-36995510 | Complaint E-mail: complaint@ntek.org.cn

page 9 of 12

NTEK北测

Report No.: S20072100601E-R1

Clause 7.16 Breathing Resistance

EN 149:2001+A1:2009, Clause 8.9)

4 4 4	Test Requi	rement	4 4	.D	Results	Comment	
The penetration of the meet the requirements	t to the	t t					
5 5	Maximum permitted resistance (mbar)						
Classification	ation Inhalation		Exhalation		Detail refer to	- +	
10 10 10	30 L/min	95 L/min	160 L/min	20	Appendix 5	Pass	
FFP1	0.6	2.1	3.0	5	4 4	4 4	
FFP2	0.7	2.4	3.0	.0			
FFP3	\$ 1.0 \$	3.0	3.0	S	5 5	5 5	
at at at	at 1	+ +	the the		the the t	- +	

Appendix 5: Summarization of Test Data

	4 4		Inhalatior	n(mbar)	4	Exhalatio	n resistance	e(mbar)	1 1
Ś	Specimen	Condition	At 30	At 95	2 4	-A	t 160 L/min	2 4	5 2
	A A	- A	L/min	L/min	A	В	to t	D	AF 1
2	38# 💉	5.	0.6	2.2	2.7	2.8 💉	2.8	2.8	2.8 🔨
1	39#	A.R.	0.6	2.2	2.8	2.8	2.8	2.8	2.8
	40#		0.6	2.2	2.8	2.8	2.8	2.8	2.8
Ś	41#	1. 1	0.6	2.2	2.8	2.8	2.8	2.8	2.9 🔷
	42#	S.W.	0.6	- 2.3	2.9	2.9	2.9	2.9	2.9
2	43#	Nº S	0.6	2.3	2.8	2.8 🔨	2.8	2.8	<u> </u>
2	44#	2 2	0.5	1.8	2.5	2.5	2.5	2.5	2.5
	45# 🔬	T.C.	0.5	1.8	2.6	2.6	2.6	2.5	2.6
Ś	46#	5 5	0.5	1.8	2.6	2.6	2.6	2.6	2.6 🔶
	/		/	/	/	/	/	/	/
2	/	F.C.	/	/	/	/	/	/	/
2	/		/	/	/	/	/	/	/

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

Shenzhen NTEK Testing Technology Co., Ltd. | Address: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R.China. | Tel: +86-755-36995508 | Fax: +86-755-36995505 http://www.ntek.org.cn Complaint Tel: +86-755-36995510 | Complaint E-mail: complaint@ntek.org.cn

page 10 of 12

Report No.: S20072100601E-R1

Clause 7.17 Clogging

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

5 5 5	Test Requirement		Results	Comment
Valv After clogging the in mbar, FFP2: 5 mbar exhalation resist Valve After clogging the in	ed particle filtering half r halation resistances sha FFP3: 7 mbar at 95L/m ance shall not exceed 3 continuous flow. less particle filtering half nhalation and exhalation nbar, FFP2: 4 mbar, FFP continuous flow	masks: all not exceed: FFP1: 4 nin continuous flow The mbar at 160 L/min masks: n resistances shall not	Assessment not carried out.	N.A.
<u> </u>	Test Requirement	5 5 5	Results	Comment
All types (valved and	7.17.3 Penetration of filte valveless) of particle filte requirement shall also r	ering half masks claimed meet the requirements.	Results	Comment
All types (valved and	7.17.3 Penetration of filte valveless) of particle filte	ering half masks claimed meet the requirements.	Assessment not carried out.	N.A.
All types (valved and to meet the clogging	7.17.3 Penetration of filte valveless) of particle filte requirement shall also r Maximum penetrati Sodium chloride test 95 L/min %	ering half masks claimed meet the requirements. on of test aerosol Paraffin oil test 95 L/min %	Assessment not carried	The ter
All types (valved and to meet the clogging Classification	7.17.3 Penetration of filte valveless) of particle filte requirement shall also r Maximum penetrati Sodium chloride test 95 L/min % max.	ering half masks claimed meet the requirements. on of test aerosol Paraffin oil test 95 L/min % max.	Assessment not carried	The the the

Clause 7.18 Demountable Parts

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

Te	est Requirement	Results	Comment
All demountable parts (if fith secured, where possible by	ed) shall be readily connected and hand	Assessment not carried out.	N.A.

Shenzhen NTEK Testing Technology Co., Ltd. | Address: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R.China. | Tel: +86-755-36995508 | Fax: +86-755-36995505 http://www.ntek.org.cn Complaint Tel: +86-755-36995510 | Complaint E-mail: complaint@ntek.org.cn

page 11 of 12



Report No.: S20072100601E-R1

page 12 of 12



Fig.2

This test report displaces the original report No. S20072100601E, and the original one was invalid since the date of this test report No. S20072100601E released.

The test report is effective only with both signature and specialized stamp, the result(s) shown in this report refer only to the sample(s) tested. Without written approval of NTEK, this report can't be reproduced except in full.