

HYGISON®

REF HS0501A



FFP2 Mask
Non Medical
EN149: 2001 + A1: 2009

FFP2-MASKE

Nicht medizinisch EN149:2001+A1:2009

Faltbare Partikel -Atenschutzmaske

Hohe Filtrationseffizienz
Geringer Atemwiderstand
Bequem zu tragen

HYCISUN®

REF | HS0501A



20 Stück

Einmalgebrauch

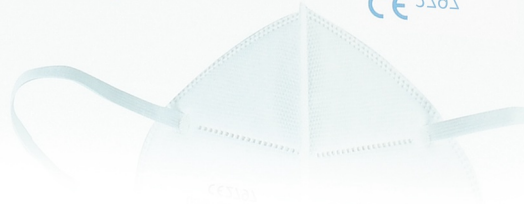
CE 2797

20 Stück

Einmalgebrauch

CE 2797

Bequem zu tragen
Geringer Atemwiderstand



Bedienungsanleitung

Fitting instructions



1. Nehmen Sie die Maske heraus und öffnen Sie beide Seiten.
Take out the mask and open both sides.



2. Drücken Sie die Atemschutzmaske mit dem Bügel auf dem Nasenrücken gegen Ihr Gesicht. Legen Sie das obere Band hoch auf Ihren Hinterkopf. Bewegen Sie das untere Band über Ihren Kopf und positionieren Sie es hinter Ihren Ohren.
Press the mask against your face with the nose clip on the bridge of your nose. Place the top tie high on the back of your head. Move the lower tie over your head and position it behind your ears.



3. Formen Sie den Bügel mit beiden Händen in die Form Ihrer Nase.
Shape the nose clip into the shape of your nose with both hands.



4. Testen Sie die Passform. Nehmen Sie beide Hände über die Atemschutzmaske und atmen Sie kräftig aus. Wenn Luft um Ihre Nase strömt, ziehen Sie den Bügelfester.
Test the correct fit. Put both hands over the respirator and exhale forcefully. When air flows out around your nose, press the nose clip tighter.

Hinweis zur Verwendung:

- Bitte verwenden Sie dieses Produkt nicht in der Nähe einer Feuerquelle.
- Aufgrund persönlicher Unterschiede kann Nebel in den Augen auftraten. Achten Sie daher beim Fahren besser darauf.
- Da es sich bei diesem Produkt um eine Einwegmaske handelt, kann es nicht durch Waschen wiederverwendet werden.
- Von hohen Temperaturen und Luftfeuchtigkeit fernhalten und an einem sauberen Ort aufbewahren.
- Verwenden Sie einzeln verpackte Produkte, sobald diese ausgepackt sind.

NOTICE FOR USE:

- Please do not use this product near fire sources.
- Due to personal differences, fog may appear in the eyes, so please pay more attention when driving.
- As this product is a disposable mask, it cannot be reused through washing.
- Keep it away from high temperature and humidity, and keep it in a clean place.
- Use individually packaged products as soon as they are unpacked.

FFP2 MASK

NON MEDICAL EN149:2001+A1:2009

Foldable Particulate Respirator

High filtration efficiency
Low respiratory resistance
More comfortable to wear

20 PCS

① SINGLE USE



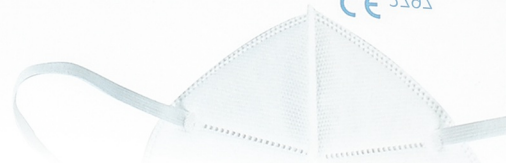
CE 2797

HYCISUN®

REF HS0501A

50 PCS

① SINGLE USE



CE 2797

More comfortable to wear
Low respiratory resistance

FFP2 Mask
EN149:2001+A1:2009
NON MEDICAL
A1:2009
FFP2 NR
HS0501A
HYCISUN
CE 2797

FFP2 Maske

SEE INFORMATION SUPPLIED BY THE MANUFACTURER

Nicht medizinisch EN149:2001+A1:2009

NON MEDICAL EN149:2001+A1:2009

⚠ **WICHTIG:**Die Atemschutzmaske FFP2 schützt vor Pollen, Viren und Industriestaub.

⚠ **IMPORTANT:** The respiratory protection mask FFP2 is designed to protect from pollen, virus, industrial dust.

ANWENDUNG:

Die Maske wird in der Schutzindustrie bei Staubentwicklung, während des Baus zur Staubverhütung, beim Metallguss, Steinabbau, in der Elektronik, Pharmazie, der physikalischen Verarbeitung und beim Schleifen verwendet und bietet einen guten Schutz gegen Sandstürme, Dunst und PM2.5. Kann wirksam vor Pollenallergien, Virusübertragung usw. schützen.

APPLICATION:

It is used in the Protection industry for dust generation during construction dust prevention, metal casting, stone mining, electronics pharmaceutical, physical processing and grinding, which has good protection against sandstorms, haze and PM2.5. Can effectively protect pollen allergy, virus transmission, etc.

VERFALLSDATUM:

Lagertemperatur: -20-38°C, Lagerfeuchtigkeit ≤ 80%, Haltbarkeit: 2 Jahre in trockenen Innenräumen.

Expiration Date:

The storage temperature is -20-38°C, the storage is moderate ≤ 80%,The validity period is 2 year in the dry indoor environment.



FABRIK / MANUFACTORY:Human Dreaming (Cloud E-Commerce CO., Ltd
ADDRESSE / ADDRESS : Block 1, Smart Tech Park, 57# Huangxing Avenue, Changsha Economic and Technological Development Zone, Changsha, Hunan, China

EC REP

Sunbeam International GmbH, Schumanstr. 12
52146 Würselen Germany



25146 Würselen Germany

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EC REP

ADDRESSE / ADDRESS : Block 1, Smart Tech Park, 57# Huangxing Avenue, Changsha Economic and Technological Development Zone, Changsha, Hunan, China
FABRIK / MANUFACTORY:Human Dreaming (Cloud E-Commerce CO., Ltd



52146 Würselen Germany

The storage temperature is -20-38°C, the storage is moderate ≤ 80%,The validity period is 2 year in the dry indoor environment.

Expiration Date:



HYCISUN[®]
FFP2 Maske
Nicht medizinisch EN149:2001+A1:2009

FFP2-MASKE
Nicht medizinisch EN149:2001+A1:2009

**Faltbare Partikel-
-Atemschutzmaske**
Hohe Filtrationseffizienz
Geringer Atemwiderstand
Bequem zu tragen

20 Stück



HYCISUN[®]
REF HS0501A

CE 0197



FFP2 MASK
NON MEDICAL EN139-2001-A1-2009
Foldable Particulate Respirator

High filtration efficiency
Low respiratory resistance
More comfortable to wear

20 PCS

SINGLE USE

LOT:20201025-01-A
PD:2020/10/25
MHD/BBB:2022/10/24

CE 2707

HYEKIN
L18E / N50001A



Persönliche Schutzmaske

PERSONAL PROTECTIVE MASK

1 Stück/ Piece

1 Stück/ Piece

Einsatzbereich / RANGE OF APPLICATIONS:

Geeignet zum Schutz gegen Pulver, PM2.5-Dunst, Bakterien, Speichel, Staub usw. Die Gesichtsmaske ist winddicht und schützt das Gesicht vor Kälte.

suitable for protection against powder, PM2.5 smog, particulates, flu, bacteria, saliva, dust etc. The face mask is good for wind proof and protection the face against cold weather.

Vorsichtsmaßnahmen :

1. Halten Sie die Gesichtsmaske vor dem Gebrauch sauber und berühren Sie nicht die Innenseite.
2. Stellen Sie sicher, dass die Gesichtsmaske zum Gesicht passt, indem Sie das Nasenstück einstellen und die Maskenkante nahe am Gesicht halten.
3. Überprüfen Sie die Luftdichtung der Maske. Verwenden Sie diese nicht, wenn die Gesichtsmaske gebrochen ist, ein Loch oder eine Undichtigkeit aufweist.
4. Waschen Sie die Gesichtsmaske nicht mit Wasser, da Wasser die Filterfähigkeit und den Schutz beeinträchtigt.
5. Dunsten Sie die Gesichtsmaske nicht und stellen Sie sie nicht in die Mikrowelle.
6. Halten Sie die Maske von Dämpfen, Ölen, Chemikalien, Farben, Flüssigkeiten, Säuren und Laugen fern.
7. Entsorgen Sie die Gesichtsmaske, wenn sie ziemlich schmutzig wird oder der Atemwiderstand offensichtlich zunimmt.

Tragemethode / WEARING METHOD:

Öffnen Sie die Maske und legen Sie es auf den Nasenrücken an. Wenn Sie die Maske angezogen haben, drücken Sie auf den Nasenrücken, um sie zu schließen.

Open the mask and place the bridge of the nose on it. After wearing the mask, press the bridge of the nose to close it. The protective effect is better.

CAUTIONS:

1. Keep the face mask clean before use, do not touch the inner side of facemask.
2. Ensure the face mask fit to face, by adjusting the nosepiece, keeping mask edge close to face.
3. Check the air sealing of mask, do not use if the face mask is broken or with hole or leakage.
4. Do not wash the facemask with water, water will destroy filtering ability and protection.
5. Do not steam the facemask, and do not put it in microwave.
6. Keep the face mask away from vapor, oils, chemicals, paints, liquid, acid, alkaline objects.
7. Discard the face mask when it gets quite dirty or breathing resistance increase obviously.



RS0501A FFP2 NR
EN 149:2001+A1:2009
CE
9001

9001
RS0501A FFP2 NR
EN 149:2001+A1:2009
CE
9001



HYUNDAI

HS0501A FFP2 NR

EN149:2001+A1:2009

CE 2797

MASKA

HS0501A FFP2 NR

EN149:2001+A1:2009

CE 2797

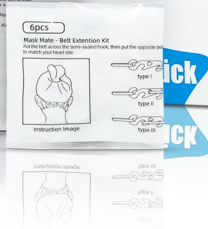
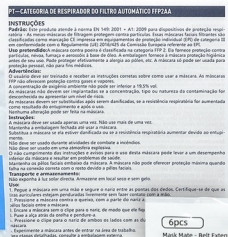


FFP2 MASK - 20 PCS

Mask Mate - 6 PCS

Instruction - 1 PCS

Qualified Certificate - 1 PCS



取得国外标准认证或注册的非医用口罩生产企业清单

Name List of Non-Medical Use Face Masks Companies with

序号 No.	生产企业 Company	统一社会信用代码 Uniform Social Credit Code	国外注册认证情况 Status of Certification / Authorization in Other Countires
377	洛阳科利达科技股份有限公司 Luoyang Kelida Technology Co., Ltd.	91410303MA44H8X31L	German Mask: EURL
378	仙桃市平峰救生设备有限公司 Xiatao Pingfeng Life Saving Equipment Co., Ltd.	91429081MA4H9A9L5P	CE
379	湖南云想生活电子商务有限公司 Hunan Dreaming Cloud E-Commerce CO., Ltd	91430105MA4LAAUW8C	CE
380	连云港美琪医疗用品有限公司 Lianyungang Meiqi Medical Supplies Co., Ltd.	91320734566800367E	CE
381	南京海尼医疗器材有限公司 Nanjing Hoiny Medical Apparatus and Instruments Co., Ltd.	91320133MA209F20048	CE
382	江苏高浦服饰有限公司 Jiangsu Gaopu Clothing Co., Ltd	91320921MA1N9QUR28	CE

EU-KONFORMITÄTSERKLÄRUNG

Diese Konformitätserklärung wurde unter der alleinigen Verantwortung des Herstellers

Hunan Dreaming Cloud E-Commerce CO., Ltd.

Block 1, Smart Tech Park, 57 # Huangxing Avenue, Changsha Economic and
Technological Development Zone, Changsha, Hunan, China

ausgestellt.

EG-Vertreter: Sunbeam International GmbH, Schumanstr.12, Würselen 52146
Deutschland

Hiermit wird erklärt, dass die folgende persönliche Schutzausrüstung (PSA)

Produktbeschreibung: HYGISUN Partikelfilter-Halbmaske

Produktmodell (e): HS0501A FFP2 NR ohne Ventil

den Bestimmungen der folgenden europäischen Verordnung entspricht:

PSA-Verordnung (Persönliche Schutzausrüstung)

Das Modell entspricht den Bestimmungen der Verordnung (EU) 2016/425, PSA zur
Verwendung durch Angehörige der Gesundheitsberufe gemäß der Empfehlung der
Kommission 2020/403 und der Nationalen Norm zur Umsetzung der harmonisierten
europäischen Normnummer (n):

EN 149: 2001 + A1: 2009

und ist identisch mit der PSA, die Gegenstand einer EU-Typprüfung ist (Modul B der
Verordnung (EU) 2016/425), auf die auf der Zertifikatsnummer verwiesen wird:

Zertifikat Nr.: CE 730303 (Ausstellungsdatum: 03/07/2020)

herausgegeben von BSI Group Niederlande BV

John M. Keynesplein 9, 1066 EP, Amsterdam, Niederlande (Notified Body No. 2797)

und entspricht den Verfahren in Modul C2 der Verordnung (EU) 2016/425 unter
der Überwachung der BSI Group The Netherlands BV (Notified Body Nr. 2797), auf die auf
dem vom BSI ausgestelltem Zertifikat CE 730304 (Ausstellungsdatum: 03/07/2020)
verwiesen wird.

Changsha, China, 07.04.2020

Ouyang Zhouya
(Nachname Name)

Qualitätsmanager

Hunan Dreaming Cloud E-Commerce CO., Ltd.

EU DECLARATION OF CONFORMITY

This Declaration of Conformity, issued under the sole responsibility of the manufacturer

Hunan Dreaming Cloud E-Commerce CO., Ltd.

Block 1, Smart Tech Park, 57# Huangxing Avenue, Changsha Economic and Technological
Development Zone, Changsha, Hunan, China

EC Representative: Sunbeam International GmbH, Schumanstr.12, Würselen 52146 Germany:

hereby declaring the following Personal Protective Equipment (PPE)

Product Description: HYGISUN Particulate Filtering Half Mask

Product Model/s: HS0501A FFP2 NR without valve

is/are in conformity with the provisions of the following European Regulation

PPE (Personal Protective Equipment) Regulation

The model is/are in conformity with the provisions of Regulation (EU) 2016/425, PPE for use by
healthcare professionals as per Commission recommendation 2020/403, and with the National
Standard transposing the harmonised European Standard Number(s):

EN 149:2001+A1:2009

and is/are identical to the PPE which is/are the subject of EU type-examination (Module B of
Regulation (EU) 2016/425) referenced on the certificate number:

Certificate No.: CE 730303 (Issue Date: 03/07/2020)

issued by

BSI Group The Netherlands B.V.

John M. Keynesplein 9, 1066 EP, Amsterdam, Netherlands (Notified Body No. 2797)

and is/are in conformance with procedures set out in Module C2 of Regulation (EU) 2016/425 under
the surveillance of BSI Group The Netherlands B.V.(Notified Body No. 2797), referenced on BSI
issued Certificate CE 730304 (Issue Date: 03/07/2020).

Changsha, China, 04/07/2020

Ou Yang Zhou Ya

(Surname, Name)

Quality Manager

Hunan Dreaming Cloud E-Commerce CO., Ltd.




Test Report 3220780.
Sunbeam International GmbH

Introduction.

This report has been prepared by Paul Waller and relates to the activity detailed below:

Job/Registration Details	Client Details
Job number: 3220780	Sunbeam International GmbH
Job type: Testing Samples Submitted	Schumanstr. 12
Start Date: 27/05/2020	Würselen
Test type: Type	52146
Sample ID: 10190222	Germany
Registration: CE 730303	
Scheme: Positive pressure RPE	
Protocol: PP123	
Scheme Manager: Nathan Shipley	

The report has been approved for issue by T Wicksey – Senior Test Engineer

Approved For Issue	
	Issue Date: 17 June 2020

Objectives.

This is an independent test evaluation to only certain clauses or sub-clauses of the agreed specification in accordance with the following test programme:

BSI COVID-19 filtering face piece technical specification, for COVID-19 masks for use by healthcare workers

Product Scope.

COVID-19 masks for use by healthcare workers

Report Summary.

The samples were received on 26 May 2020 and the testing was started on 27 May 2020.

The samples submitted complied with the requirements of the test work conducted.

Test Samples.

Sample ID	ER Number	Description
1 to 19	10190222	Model: HYGISUN HS0501A FFP2

Description of Test Samples.

Sample Description
COVID-19 masks for use by healthcare workers: Model: HYGISUN HS0501A FFP2

Test Requirements.

Testing in accordance with BSI COVID-19 filtering face piece technical specification

Technical testing specification for COVID-19 masks for use by healthcare workers

EN 149:2001+A1:2009 Performance requirement	EN 149:2001+A1:2009 Test method clause	Requirement	Assessment
7.7 Practical performance 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. Where practical performance tests show the apparatus has imperfections related to wearer's acceptance, the test house shall provide full details of those parts of the practical performance tests which revealed these imperfections. <i>2 test subjects, masks tested 'As received'</i>	Testing shall be done in accordance with 8.4.	During the tests the particle filtering half mask shall be subjectively assessed by the wearer and after the test, comments on the following shall be recorded: a) head harness comfort; b) security of fastenings; c) field of vision; d) any other comments reported by the wearer on request.	Pass
7.9 Leakage 7.9.1 Total inward leakage <i>5 test subjects, masks tested 'As received'</i>	Testing shall be done in accordance with 8.5.	All samples must achieve All individual exercise results tests shall be not greater than 11 % (for FFP2) and, in addition, all arithmetic means for the total inward leakage shall be not greater than 8 % (for FFP2)	Pass
7.9 Leakage 7.9.2 Penetration of filter material <i>3 test samples masks tested 'As received', for NaCl (Sodium Chloride) and PO (Paraffin oil), 3min test</i>	Testing shall be done in accordance with 8.11	6% for both PO and NaCl	Pass
7.12 Carbon dioxide content of the inhalation air <i>3 test samples, masks tested 'As received'</i>	Testing shall be done in accordance with 8.7.	The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume).	Pass
7.16 Breathing resistance <i>3 test samples, masks tested 'As received'</i>	Testing shall be done in accordance with 8.9	The breathing resistances shall meet the requirements of; 30l/min – 0.7mbar (inhale) 95l/min – 2.4mbar (inhale) 160l/min – 3.0mbar (exhale)	Pass
Appendix A - Test Panel Data			
Product Photographs			

Glossary of Terms.

Pass: Complies. Tested by BSI engineers at BSI laboratories

Pass 1: Complies. Witnessed by BSI engineers in manufacturers laboratory.

Pass 2: Complies. Tests carried out by third party lab; results accepted by BSI.

Pass*: Report resulted in uncertainty and states that Compliance is more probable than non-compliance.

Fail: Non-compliance. Product does not meet the requirements of this clause.

Fail*: Report resulted in uncertainty and states that Non-compliance is more probable than compliance.

N/T: Not Tested

N/A: Not Applicable

AR: As Received

TC: Temperature Conditioned

SW: Simulated Wear

FT: Flow Tested

MS: Mechanical strength

MMDF: Manufactures Minimum Design Flow

MMDC: Manufactures Minimum Design Condition

Conditions of Issue.

This Test Report is issued subject to the conditions stated in current issue of 'BSI Terms of Service'. The results contained herein apply only to the particular sample(s) tested and to the specific tests carried out, as detailed in this Test Report. The issuing of this Test Report does not indicate any measure of Approval, Certification, Supervision, Control or Surveillance by BSI of any product. No extract, abridgement or abstraction from a Test Report may be published or used to advertise a product without the written consent of BSI, who reserve the absolute right to agree or reject all or any of the details of any items or publicity for which consent may be sought.

Should you wish to speak with BSI in relation to this report, please contact Customer Services on +44 (0)8450 80 9000.

BSI
Kitemark House
Maylands Avenue
Hemel Hempstead
Hertfordshire
HP2 4SQ



Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation.

Unless otherwise stated, any results not obtained from testing in a BSI laboratory are outside the scope of our UKAS accreditation.

Test Results.

Testing in accordance with BSI COVID-19 filtering face piece technical specification

BS EN 149:2001 +A1:2009 Technical testing specification for COVID-19 masks for use by healthcare workers

CLAUSE	REQUIREMENTS	ASSESSMENT
7.7	<p>Practical performance</p> <p>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.</p> <p>Where practical performance tests show the apparatus has imperfections related to wearer's acceptance, the test house shall provide full details of those parts of the practical performance tests which revealed these imperfections.</p> <p>Test in accordance with clause 8.4 of the standard.</p> <p>Testing in accordance with BSI COVID-19 filtering face piece technical specification, for masks for use by healthcare workers</p> <p><i>During the tests the particle filtering half mask shall be subjectively assessed by the wearer and after the test, comments on the following shall be recorded:</i></p> <p><i>a) head harness comfort; b) security of fastenings; c) field of vision; d) any other comments reported by the wearer on request.</i></p>	Pass

Table A: Practical performance

Test candidate	Sample	Comments				Assessment
		Head harness comfort	Security of fastenings	Field of vision	Any other comments	
RF1	1 AR	OK	OK	OK	None	Pass
AH1	2 AR	OK	OK	OK	None	Pass

7.9 Leakage

7.9.1

Total inward leakage

The laboratory tests shall indicate that the particle filtering half mask can be used by the wearer to protect with high probability against the potential hazard to be expected.

The total inward leakage consists of three components: face seal leakage, exhalation valve leakage (if exhalation valve fitted) and filter penetration.

Test in accordance with clause 8.5 of the standard.

Pass

Testing in accordance with BSI COVID-19 filtering face piece technical specification, for masks for use by healthcare workers

5 test subjects, masks tested 'As received'. All individual exercise results tests shall be not greater than 11 % (for FFP2) and, in addition, all arithmetic means for the total inward leakage shall be not greater than 8 % (for FFP2).

Table B: Clause 7.9.1 - Total inward leakage

Test candidate	Sample	Pre test condition	Inward Leakage (%)					Assessment	
			A	B	C	D	E		
			Walking	Walking with head side to side	Walking with head up & down	Walking and talking	Walking		Average
GR1	3	AR	3.07	3.90	3.05	2.07	3.01	3.02	Pass
BH2	4	AR	4.76	6.77	6.65	6.33	6.29	6.16	Pass
JT1	5	AR	0.44	0.58	0.57	0.44	0.61	0.53	Pass
JS2	6	AR	10.08	0.58	0.68	0.33	0.47	2.43	Pass
BH1	7	AR	3.28	0.83	5.05	3.08	4.64	3.38	Pass

Test Results. (Continued)

CLAUSE	REQUIREMENTS	ASSESSMENT
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7.9.2 Penetration of filter material

Testing in accordance with BSI COVID-19 filtering face piece technical specification, for masks for use by healthcare workers
 3 test samples masks tested 'As received', for NaCl (Sodium Chloride) and PO (Paraffin oil), 3 min test. Testing shall be done in accordance with 8.11. 6% limit for both PO and NaCl

Pass

Table C: Clause 8.11 - Sodium Chloride penetration test

Sample number	Pre-test condition	Flow through filter (l/min)	Penetration (%)	
			Limit	Actual
8	AR	95	< 6	0.330
9	AR			0.409
10	AR			0.234

Table D: Clause 8.11 - Paraffin oil penetration test

Sample number	Pre-test condition	Flow through filter (l/min)	Penetration (%)	
			Limit	Actual
11	AR	95	< 6	1.125
12	AR			1.202
13	AR			2.496

7.12 Carbon dioxide content of inhalation air

The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1.0% (by volume).

Pass

Test in accordance with clause 8.7 of the standard.

Table E: Clause 8.7 - Carbon Dioxide content of the inhalation air

Sample	Pre-test condition	Dead space CO ₂ (%)	
		Limit	Measured
14	AR	< 1.0	0.48
15	AR		0.50
16	AR		0.52

Test Results. (Continued)

CLAUSE	REQUIREMENTS	ASSESSMENT
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7.16

Breathing resistance

Testing in accordance with BSI COVID-19 filtering face piece technical specification, for masks for use by healthcare workers

3 test samples masks tested 'As received'. Test in accordance with clause 8.9 of the standard.

The breathing resistances shall meet the requirements of FFP2;
30l/min – 0.7mbar (inhale), 95l/min – 2.4mbar (inhale), 160l/min – 3.0mbar (exhale)

Pass

Table F: Clause 8.9 – Breathing resistance. Inhalation resistance at a continuous flow

Sample	Pre-test condition	Continuous flow (l/min)	Inhalation resistance (mbar)	
			Limit	Measured
17	AR	30	< 0.7	0.42
18	AR			0.47
19	AR			0.40
17	AR	95	< 2.4	1.33
18	AR			1.50
19	AR			1.26

Table G: Clause 8.9 – Breathing resistance. Exhalation resistance at a continuous flow, measured in five orientations with the worst case reported

Sample	Pre-test condition	Continuous flow (l/min)	Exhalation resistance (mbar)	
			Limit	Measured
17	AR	160	< 3.0	2.05
18	AR			2.40
19	AR			1.98

Appendix A. – Test Panel Data

Test Candidate	Facial Dimensions (mm)					Sex
	Length of face	Width of face	Face depth	Width of mouth	Head Circumference	
RF1	104	122	121	55	549	Male
AH1	108	124	130	46	570	Male
GR1	124	145	126	49	590	Male
BH2	124	148	120	51	595	Male
JT1	130	140	118	44	589	Male
JS2	126	142	125	57	575	Male
BH1	120	126	120	58	565	Male

Note: All candidates were clean shaven

Product photographs.



Front view



Side View



Inside View
End of Report

EU Type Examination Certificate

This is to certify that:

Sunbeam International GmbH
Schumanstr. 12
Würselen
52146
Germany

Holds Certificate Number:

CE 730303

In respect of:

Model HYGISUN HS0501A Face mask
To technical specification Annex II (EHSR) of the PPE Regulation (EU) 2016/425
PPE for use by healthcare professionals as per Commission recommendation 2020/403

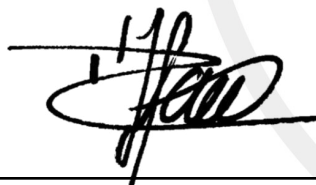
on the basis that BSI carried out the relevant Type Examination procedures under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex V (Module B) and meets the relevant health and safety requirements specified in Annex II

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):

Previous Notified Body: BSI 0086

First Issued: 2020-07-03

Latest Issue: 2020-07-03



Drs. Dave Hagenaaars, Managing Director

Effective Date: 2020-07-03

Expiry Date: 2021-07-03

Page: 1 of 3



...making excellence a habit.™

EU Type Examination Certificate

No. CE 730303

Product Specification

Product Name: Particulate Respirator.

Product Type: Particulate filtering half masks for use by Healthcare professionals.

Model: **HYGISUN HS0501A.**

Classification: FFP2 NR un-valved.

Technical Specification: Technical specification to satisfy Annex II of the PPE Regulation (EU) 2016/425.

Product Description: The respirator is non-reusable, secured to the face of the user by a pair of elasticated ear straps, and has no exhalation valve. The respirator is FFP2 class, vertical fold flat type.

The respirator listed on this certificate is for use by healthcare workers, first responders and other personnel involved in the efforts to contain the COVID-19 virus and avoid its further spread.

The product covered by this certificate is not approved for industrial applications and the certificate is only valid as long as EU Commission recommendation sheet 2020/403 remains applicable.

Product Assessments: BSI's PPE for Healthcare Professionals 2020/403 – RPE Technical Specification.

First Issued: 2020-07-03

Latest Issue: 2020-07-03

Effective Date: 2020-07-03

Expiry Date: 2021-07-03

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BSI Group The Netherlands B.V., registered in the Netherlands under number 33264284, at John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands
A member of BSI Group of Companies.

EU Type Examination Certificate

No. CE 730303

Certificate Administration Details

Technical File Reference: Sunbeam International GmbH, TCF.01, V0 dated 28/06/2020.

Certificate Amendment Record:

Issue date	Comments	BSI Review No.
July 2020	First issue.	2797:20:3220783

Certificate validity

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspect of the overall process utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.

The validity of the Certificate for the products is also dependent on the maintenance of the EU Conformity to Type based on Internal Production Control plus supervised product checks at random intervals, Annex VII (Module C2) as referenced on BSI issued Certificate CE 730304.

First Issued: 2020-07-03

Latest Issue: 2020-07-03

Effective Date: 2020-07-03

Expiry Date: 2021-07-03

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Conformity to Type based on Internal Production Control plus supervised product checks at random intervals

This is to certify that:

Sunbeam International GmbH
Schumanstr. 12
Würselen
52146
Germany

Holds Certificate Number:

CE 730304

In respect of:

For the manufacture of particulate respirators to technical specification to satisfy Annex II of the PPE Regulation (EU) 2016/425.

on the basis that BSI carried out the supervised production checks at random intervals under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex VII (Module C2)

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):

Previous Notified Body: BSI 0086

First Issued: 2020-07-03

Latest Issue: 2020-07-03

Drs. Dave Hagenaaars, Managing Director

Effective Date: 2020-07-03

Expiry Date: 2021-07-03

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...making excellence a habit.™

Conformity to Type based on Internal Production Control plus supervised product checks at random intervals

No. CE 730304

Product manufactured by:

Hunan Dreaming Cloud E-Commerce CO., Ltd
Block 1, Smart Tech Park,
57# Huangxing Avenue,
Changsha Economic and Technological Development Zone,
Changsha,
Hunan,
China

Product details

The respiratory protective device covered by the scope of this Module C2 Certificate and the Technical Specification to which the product is manufactured are as follows:

Product type:	Particulate filtering half masks for use by Healthcare professionals.
Model and classifications:	HYGISUN HS0501A FFP2 NR
Technical Specification:	Technical specification to satisfy Annex II of the PPE Regulation (EU) 2016/425. BSI's PPE for Healthcare Professionals 2020/403 – RPE Technical Specification.

First Issued: 2020-07-03

Latest Issue: 2020-07-03

Effective Date: 2020-07-03

Expiry Date: 2021-07-03

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Conformity to Type based on Internal Production Control plus supervised product checks at random intervals

No. CE 730304

Certificate Administration Details:

Certificate Amendment Record and BSI internal Review relating to this Certificate

Issue date	Comments	BSI Review No.
July 2020	First issue.	2797:20:3220784

Certificate validity

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspects of the overall quality system utilized in the manufacture of the products, failure to do so could invalidate the Certificate in respect of product manufactured after the introduction of such changes.

First Issued: 2020-07-03

Latest Issue: 2020-07-03

Effective Date: 2020-07-03

Expiry Date: 2021-07-03

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A member of BSI Group of Companies.

Bestimmung des Abscheidegrades von neuen Masken

Prüfbericht: HYBETA_NM_0346

Datum der Prüfung: 27.07.2020

Auftraggeber

Sunbeam International GmbH
Daniel Cmelak
Schumannstraße 12
52146 Würselen

Auftragnehmer

HYBETA GmbH
Nevinghoff 20
48147 Münster

Prüfgegenstand

HYGISUN
Ref. HSO501A
FFP2 Mask
EN 149:2001 + A1:2009
CE 2797

Messumfang

Es liegen fünf neue Masken vor.



Bestimmung des Abscheidungsgrades

Zur Bestimmung des Abscheidungsgrades werden die Masken in eine Messvorrichtung eingespannt und je Maske drei Partikelmessungen á einer Minute durchgeführt. Betrachtet werden hierbei die Partikelgrößen 0,3 µm, 0,5 µm, 1,0 µm, 3,0 µm und 5,0 µm.

Größere Partikel können Tröpfchen repräsentieren, die als Infektionsquelle bei Tröpfcheninfektionen eine entscheidende Rolle spielen. Die kleinen Partikel sind relevant, wenn Aerosole als Infektionsquelle in Frage kommen. Eine eindeutige Definition der Größe von relevanten Tröpfchen und Aerosolen liegt nicht vor.

Bei der Partikelprüfung wird der Abscheidegrad der Masken für die oben aufgeführten Partikelgrößen ermittelt und gegen die in der Rohluft vorhandene Konzentration verglichen. Für die Bewertung der Ergebnisse gibt es keine normative oder andere regulative Grundlage und kann somit nur subjektiv erfolgen. Die Werte wurden in Anlehnung an die DIN EN 149:2009-08 Tabelle 1 gewählt. Dort ist der maximale Durchlass des Prüfaerosols

- bei FFP2-Masken mit 6 % (=94 % Abscheidegrad Filtermedium)
 - bei FFP3-Masken mit 1 % (=99 % Abscheidegrad Filtermedium)
- definiert. KN95-Masken werden mit einem Abscheidegrad von 95 % des Filtermediums bewertet.

Die Bewertung der Ergebnisse liegt allein beim Auftraggeber. Eine Bewertung eines Ausatemventils wird nicht vorgenommen.

Die Prüfung des Abscheidungsgrades von luftgetragenen Partikeln ist lediglich eine orientierende Messung und ersetzt keine Prüfung der Masken nach DIN EN 149.

Mittelwert der Rohluft

Maske	Partikel [µm]				
	0,3	0,5	1	3	5
Rohluft	908.701	404.296	196.362	1.872	219

Mittelwerte der Masken

Maske	Partikel [µm]					Abscheidegrad [%]				
	0,3	0,5	1	3	5	0,3	0,5	1	3	5
N1	65.257	5.092	257	0	0	92,8%	98,7%	99,9%	100,0%	100,0%
N2	70.493	4.454	208	0	0	92,2%	98,9%	99,9%	100,0%	100,0%
N3	82.946	4.706	211	0	0	90,9%	98,8%	99,9%	100,0%	100,0%
N4	73.281	3.874	238	0	0	91,9%	99,0%	99,9%	100,0%	100,0%
N5	65.353	3.397	139	0	0	92,8%	99,2%	99,9%	100,0%	100,0%

Rohdaten Abscheidegrad

Prüfbericht: HYBETA_NM_0346

Messgegenstand	Zeit	Messpunkt	Probe- nahmezeit(s)	Volumen (FT3)					
					0.3	0.5	1.0	3.0	5.0
rohluft	27.07.2020 14:06	6	60	1.00	814265	418700	206764	2179	331
rohluft	27.07.2020 14:07	6	60	1.00	803527	407939	202122	1989	209
rohluft	27.07.2020 14:08	6	60	1.00	862703	455790	227171	2337	201
n1	27.07.2020 14:09	7	60	1.00	62804	4991	258	0	0
n1	27.07.2020 14:10	7	60	1.00	64414	4917	255	0	0
n1	27.07.2020 14:11	7	60	1.00	68554	5367	257	0	0
n2	27.07.2020 14:13	8	60	1.00	64105	4282	222	1	0
n2	27.07.2020 14:14	8	60	1.00	69867	4341	200	0	0
n2	27.07.2020 14:15	8	60	1.00	77507	4740	202	0	0
n3	27.07.2020 14:16	9	60	1.00	82058	4821	212	0	0
n3	27.07.2020 14:17	9	60	1.00	82124	4555	216	0	0
n3	27.07.2020 14:18	9	60	1.00	84656	4743	205	0	0
rohluft	27.07.2020 14:20	10	60	1.00	984953	405505	195319	1880	253
rohluft	27.07.2020 14:21	10	60	1.00	993760	415693	199958	1879	227
rohluft	27.07.2020 14:22	10	60	1.00	983745	409910	196663	1841	177
n4	27.07.2020 14:23	11	60	1.00	73053	3792	240	0	0
n4	27.07.2020 14:24	11	60	1.00	73285	3873	225	0	0
n4	27.07.2020 14:25	11	60	1.00	73506	3957	249	0	0
n5	27.07.2020 14:27	12	60	1.00	65178	3346	156	0	0
n5	27.07.2020 14:28	12	60	1.00	65271	3369	124	0	0
n5	27.07.2020 14:29	12	60	1.00	65611	3477	136	0	0
rohluft	27.07.2020 14:30	13	60	1.00	879762	338728	159920	1371	175
rohluft	27.07.2020 14:31	13	60	1.00	936114	399278	192779	1758	200
rohluft	27.07.2020 14:32	13	60	1.00	919476	387118	186565	1614	200