

No. YW20260154



0 6 6 3



中国认可
国际互认
检测
TESTING
CNAS L1071

TEST REPORT

Product: Solar eclipse glasses

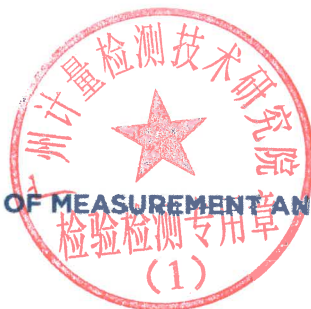
Model: 7191

Applicant: CCQS Certification Services Limited

Date of issue: 2026-01-30

GIMT

GUANGZHOU INSTITUTE OF MEASUREMENT AND TESTING TECHNOLOGY



No. YW20260153



3 4 3 1



中国认可
国际互认
检测
TESTING
CNAS L1071

TEST REPORT

Product: Solar eclipse glasses

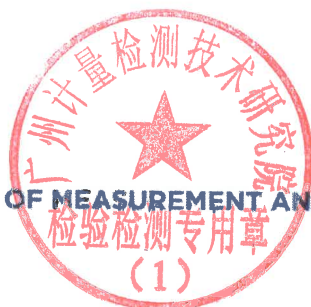
Model: 7062, 7078, 7087, 7190

Applicant: CCQS Certification Services Limited

Date of issue: 2026-01-30

GIMT

GUANGZHOU INSTITUTE OF MEASUREMENT AND TESTING TECHNOLOGY



NOTICES



- 1) The report is invalid without authorized stamp.
- 2) The report is invalid without the signatures of the tester, the reviewer and the approver.
- 3) The report is invalid if altered.
- 4) Reproduction of the report is prohibited except in full, unless approved in writing by GIMT.
- 5) Unless otherwise indicated, the test results contained in the report apply only to the samples tested.
- 6) Any disputes to the report should be claimed in written form to the test agency within 15 days after receiving the report.
- 7) The applicant should be responsible for the authenticity of the sample informations.

* * * * *



GUANGZHOU INSTITUTE OF MEASUREMENT AND TESTING TECHNOLOGY

TEL: +86(20) 32086293, +86(20) 32086301

FAX: +86(20) 32086293

E-MAIL: yw@gzjljc.cn

WEB: <https://www.gzjljc.cn>

TEST REPORTS

Information

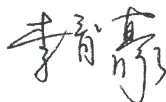
Report No.YW20260153

Page 1 of 7

Report No.	YW20260153
Commission No.	G4003428
Testing Laboratory	Guangzhou Institute of Measurement and Testing Technology
Address	No.19, Jiantashan Road, Kexuecheng, Guangzhou, Guangdong, China
Applicant	CCQS Certification Services Limited
Address	Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin15, D15 AKK1, Ireland
Information of samples	
Product	Solar eclipse glasses
Brand name	Medical king
Model No.	7062, 7078, 7087, 7190
Manufacturer / Vendor	Medical king/Solar king
Address	555 flushing ave, 7L BROOKLYN NY 11206 US
Quantity submitted	16 pcs.(7062: 4 pcs., 7078: 4 pcs., 7087: 4 pcs., 7190: 4 pcs.)
Date	
Date of receipt	2026-01-20
Period of testing	2026-01-20 to 2026-01-23
Date of issue	2026-01-30
Environmental condition	
Temperature	(21.1~21.4) °C
Relative humidity	(46~48) %
Test requested	EN ISO 12312-2:2015
Test method	EN ISO 12312-2:2015
Results	Please refer to the following pages.
Conclusion	Please refer to the following pages.

——See next page——

主管:



李育豪

审核:



张洁

主检:



曹文才

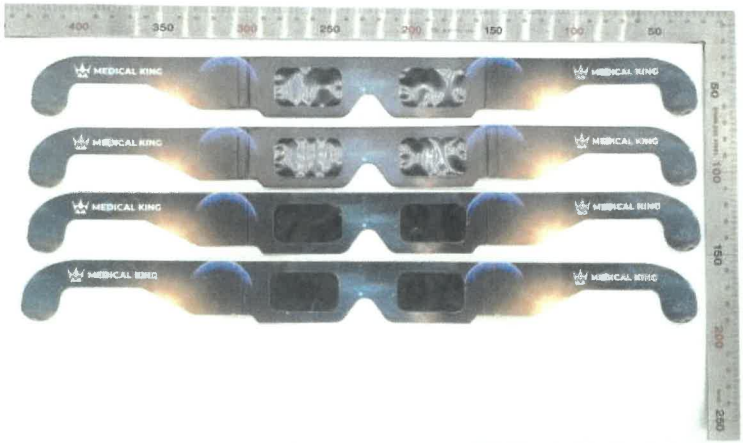


TEST REPORTS

Information

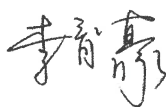
Report No. YW20260153

Page 2 of 7

Description of samples	Photo of samples
Model: 7062 Sample 1-1 Sample 1-2 Sample 1-3 Sample 1-4	
Model: 7078 Sample 2-1 Sample 2-2 Sample 2-3 Sample 2-4	

—See next page—

主管:



李育豪

审核:



张洁

主检:



曹文才

主检
合格

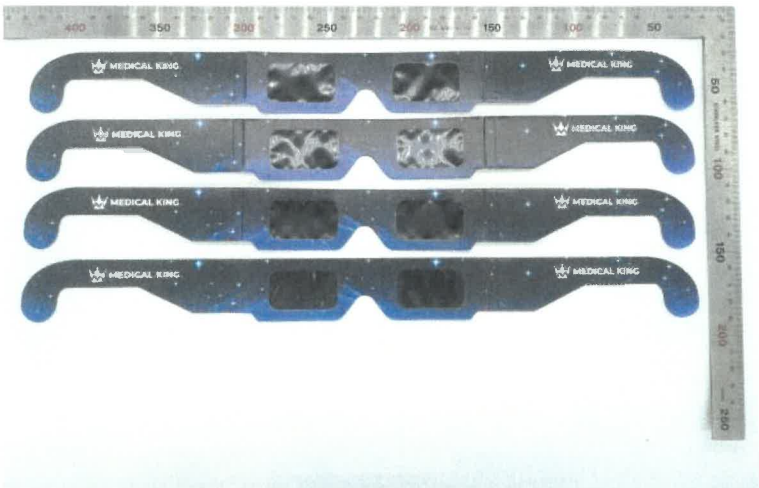
TEST RESULTS

ISO 12312-2:2015

Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

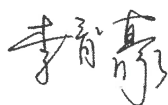
Report No. YW20260153

Page 3 of 7

Description of samples	Photo of samples
Model: 7087 Sample 3-1 Sample 3-2 Sample 3-3 Sample 3-4	
Model: 7190 Sample 4-1 Sample 4-2 Sample 4-3 Sample 4-4	

—See next page—

主管:



李育豪

审核:



张洁

主检:



曹文才

TEST RESULTS

EN ISO 12312-2:2015

Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

Report No. YW20260153

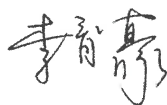
Page 4 of 7

Comment:

Clause	Requirement	Result
4.1	Transmittance	
4.1.1	General (luminous transmittance and solar infrared transmittance)	Pass
4.1.2	Uniformity of luminous transmittance	Pass
4.2	Material and surface quality	Pass
4.3	Mounting	
4.3.1	General	Pass
4.3.2	Dimensions	Pass
4.3.3	Material quality	Pass

——See next page——

主管:



李育豪

审核:



张洁

主检:



曹文才

TEST RESULTS

EN ISO 12312-2:2015

Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

Report No. YW20260153

Page 5 of 7

4.1 Transmittance

4.1.1 General

Test results of the submitted samples are showed as Table 1.

The transmittance requirements of filters are given in Table 2.

Table 1. Test results of the transmittance

Performance parameter	Sample	Measurement		Result (Pass/Fail)
		R	L	
Luminous transmittance (τ_V)	1-1	0.000403%	0.000323%	Pass
Solar UVA transmittance (τ_{SUA})	1-1	0.000009%	0.000006%	Pass
Solar UVB transmittance (τ_{SUVB})	1-1	0.000010%	0.000010%	Pass
Solar infrared transmittance (τ_{SIR})	1-1	0.12%	0.12%	Pass

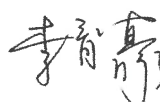
Note: #2 "R" means the right lens of the glasses and "L" means the left lens of the glasses.

Table 2. Transmittance requirements for filters for the direct observation of the sun

Maximum luminous transmittance (τ_V)	0.0032%
Minimum luminous transmittance (τ_V)	0.000061%
Maximum solar UVA transmittance (τ_{SUA})	τ_V
Maximum solar UVB transmittance (τ_{SUVB})	τ_V
Maximum solar infrared transmittance (τ_{SIR})	3%

Result: Pass.

—See next page—

主管:  李育豪

审核:  张洁

主检:  曹文才

TEST RESULTS

EN ISO 12312-2:2015

Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

Report No. YW20260153

Page 6 of 7

4.1.2 Uniformity of luminous transmittance

Test results of the submitted samples are showed as Table 3.

The relative difference in the luminous transmittance value between any two points of the filter shall not be greater than 10 % (relative to the higher value).

Table 3. Test results of the uniformity of luminous transmittance

Sample		Uniformity of luminous transmittance	Result (Pass/Fail)
Sample 1-1	R	7.94%	Pass
	L	9.28%	Pass

Result: Pass.

4.2 Material and surface quality

Except in a marginal area 5 mm wide, filters shall be free from defects likely to impair vision in use, such as bubbles, scratches, inclusions, dull spots, pitting, scouring, pocking, scaling, and undulations. Metal coated filter materials shall not exhibit more than one pinhole defect not greater than 200 μm in average diameter within any 5 mm diameter circular zone.

Test samples: 1-1, 1-2, 1-3, 1-4, 2-1, 2-2, 2-3, 2-4, 3-1, 3-2, 3-3, 3-4, 4-1, 4-2, 4-3, 4-4

Result: Pass.

4.3 Mounting

4.3.1 General

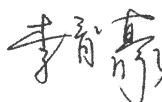
Filters are held securely so that it cannot be dislodged by normal handling or by gusts of wind.

Test samples: 1-1, 2-1, 3-1, 4-1

Result: Pass.

—See next page—

主管:

 李育豪

审核:

 张洁

主检:

 曹文才

TEST RESULTS

EN ISO 12312-2:2015

Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

Report No. YW20260153

Page 7 of 7

4.3.2 Dimensions

Test results of the submitted samples are showed as Table 4.

The requirements of the dimensions are given in Table 5.

Table 4. Test results of the dimensions

Sample	Overall dimensions		Triangular cut-away area		Result (Pass/Fail)
	Width	Depth	Apical height	Width	
Sample 1-1	143.01 mm	36.74 mm	14.67 mm	32.66 mm	Pass
Sample 2-1	142.88 mm	37.04 mm	14.68 mm	32.78 mm	Pass
Sample 3-1	143.08 mm	37.02 mm	14.80 mm	32.09 mm	Pass
Sample 4-1	143.83 mm	36.96 mm	14.05 mm	29.72 mm	Pass

Table 5. Requirement of the dimensions

Overall dimensions		Triangular cut-away area	
Width	Depth	Apical height	Width
≥115 mm	≥35 mm	≤15 mm	≤35 mm

Result: Pass.

4.3.3 Material quality

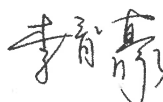
The filter and mounting are free from roughness, sharp edges, projections, or other defects which could cause discomfort or injury during use. No part of the filter or mounting which is in contact with the wearer is made of materials which are known to cause any skin irritation.

Test samples: 1-1, 1-2, 1-3, 1-4, 2-1, 2-2, 2-3, 2-4, 3-1, 3-2, 3-3, 3-4, 4-1, 4-2, 4-3, 4-4

Result: Pass.

——End of the report——

主管:


李育豪

审核:


张洁

主检:


曹文才

NOTICES



- 1) The report is invalid without authorized stamp.
- 2) The report is invalid without the signatures of the tester, the reviewer and the approver.
- 3) The report is invalid if altered.
- 4) Reproduction of the report is prohibited except in full, unless approved in writing by GIMT.
- 5) Unless otherwise indicated, the test results contained in the report apply only to the samples tested.
- 6) Any disputes to the report should be claimed in written form to the test agency within 15 days after receiving the report.
- 7) The applicant should be responsible for the authenticity of the sample informations.

* * * * *



GUANGZHOU INSTITUTE OF MEASUREMENT AND TESTING TECHNOLOGY

TEL: +86(20) 32086293, +86(20) 32086301

FAX: +86(20) 32086293

E-MAIL: yw@gzjljc.cn

WEB: <https://www.gzjljc.cn>

TEST REPORTS

Information

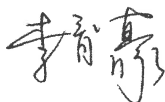
Report No. YW20260154

Page 1 of 6

Report No.	YW20260154
Commission No.	G4003428
Testing Laboratory	Guangzhou Institute of Measurement and Testing Technology
Address	No.19, Jiantashan Road, Kexuecheng, Guangzhou, Guangdong, China
Applicant	CCQS Certification Services Limited
Address	Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin15, D15 AKK1, Ireland
Information of samples	
Product	Solar eclipse glasses
Brand name	Medical king
Model No.	7191
Manufacturer / Vendor	Medical king/Solar king
Address	555 flushing ave, 7L BROOKLYN NY 11206 US
Quantity submitted	4 pcs.
Date	
Date of receipt	2026-01-20
Period of testing	2026-01-20 to 2026-01-23
Date of issue	2026-01-30
Environmental condition	
Temperature	(21.1~21.4) °C
Relative humidity	(46~48) %
Test requested	EN ISO 12312-2:2015
Test method	EN ISO 12312-2:2015
Results	Please refer to the following pages.
Conclusion	Please refer to the following pages.

—See next page—

主管:



李育豪

审核:



张洁

主检:



TEST REPORTS

Information

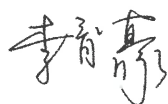
Report No.YW20260154

Page 2 of 6

Description of samples	Photo of samples
Model: 7191 Sample 1 Sample 2 Sample 3 Sample 4	

——See next page——

主管:



李育豪

审核:



张洁

主检:



曹文才

TEST RESULTS

EN ISO 12312-2:2015

Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

Report No. YW20260154

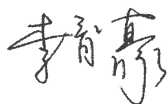
Page 3 of 6

Comment:

<u>Clause</u>	<u>Requirement</u>	<u>Result</u>
<u>4.1 Transmittance</u>		
4.1.1	General (luminous transmittance and solar infrared transmittance)	Pass
4.1.2	Uniformity of luminous transmittance	Pass
<u>4.2 Material and surface quality</u>		Pass
<u>4.3 Mounting</u>		
4.3.1	General	Pass
4.3.2	Dimensions	Pass
4.3.3	Material quality	Pass

——See next page——

主管:



李育豪

审核:



张洁

主检:



曹文才

TEST RESULTS

EN ISO 12312-2:2015

Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

Report No. YW20260154

Page 4 of 6

4.1 Transmittance

4.1.1 General

Test results of the submitted samples are showed as Table 1.

The transmittance requirements of filters are given in Table 2.

Table 1. Test results of the transmittance

Performance parameter	Sample	Measurement		Result (Pass/Fail)
		R	L	
Luminous transmittance (τ_V)	1	0.000305%	0.000303%	Pass
Solar UVA transmittance (τ_{SUA})	1	0.000006%	0.000006%	Pass
Solar UVB transmittance (τ_{SUVB})	1	0.000004%	0.000004%	Pass
Solar infrared transmittance (τ_{SIR})	1	0.13%	0.16%	Pass

Note: #2 "R" means the right lens of the glasses and "L" means the left lens of the glasses.

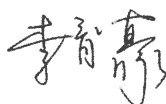
Table 2. Transmittance requirements for filters for the direct observation of the sun

Maximum luminous transmittance (τ_V)	0.0032%
Minimum luminous transmittance (τ_V)	0.000061%
Maximum solar UVA transmittance (τ_{SUA})	τ_V
Maximum solar UVB transmittance (τ_{SUVB})	τ_V
Maximum solar infrared transmittance (τ_{SIR})	3%

Result: Pass.

—See next page—

主管:



李育豪

审核:



张洁

主检:



曹文才

TEST RESULTS

EN ISO 12312-2:2015

Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

Report No. YW20260154

Page 5 of 6

4.1.2 Uniformity of luminous transmittance

Test results of the submitted samples are showed as Table 3.

The relative difference in the luminous transmittance value between any two points of the filter shall not be greater than 10 % (relative to the higher value).

Table 3. Test results of the uniformity of luminous transmittance

Sample		Uniformity of luminous transmittance	Result (Pass/Fail)
Sample 1	R	5.25%	Pass
	L	4.62%	Pass

Result: Pass.

4.2 Material and surface quality

Except in a marginal area 5 mm wide, filters shall be free from defects likely to impair vision in use, such as bubbles, scratches, inclusions, dull spots, pitting, scouring, pocking, scaling, and undulations. Metal coated filter materials shall not exhibit more than one pinhole defect not greater than 200 μm in average diameter within any 5 mm diameter circular zone.

Test samples: 1~4

Result: Pass.

4.3 Mounting

4.3.1 General

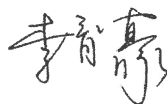
Filters are held securely so that it cannot be dislodged by normal handling or by gusts of wind.

Test sample: 1

Result: Pass.

——See next page——

主管:



李育豪

审核:



张洁

主检:



曹文才

TEST RESULTS

EN ISO 12312-2:2015

Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

Report No. YW20260154

Page 6 of 6

4.3.2 Dimensions

Test results of the submitted samples are showed as Table 4.

The requirements of the dimensions are given in Table 5.

Table 4. Test results of the dimensions

Sample	Overall dimensions		Triangular cut-away area		Result (Pass/Fail)
	Width	Depth	Apical height	Width	
Sample 1	121.64 mm	51.13 mm	13.74 mm	30.18 mm	Pass

Table 5. Requirements of the dimensions

Overall dimensions		Triangular cut-away area	
Width	Depth	Apical height	Width
≥115 mm	≥35 mm	≤15 mm	≤35 mm

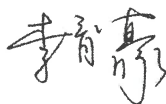
Result: Pass.**4.3.3 Material quality**

The filter and mounting are free from roughness, sharp edges, projections, or other defects which could cause discomfort or injury during use. No part of the filter or mounting which is in contact with the wearer is made of materials which are known to cause any skin irritation.

Test samples: 1~4**Result: Pass.**

——End of the report——

主管:



李育豪

审核:



张洁

主检:



曹文才

Module B EU Type-Examination Certificate

For the requirements of Personal Protective Equipment
Regulation (EU) 2016/425



Certificate No.: CE-PC-260115-063-01-9B

Manufacturer: **Medical King / Solar King**
555 Flushing Ave, 7L
BROOKLYN NY 11206 US

Product: **Solar eclipse glasses**
The listed models are **Category II PPE**
Detailed equipment description listed in the Annex

Model(s): 7062, 7078, 7087, 7190

Applicable Standard(s): EN ISO 12312-2:2015 Eye and face protection - Sunglasses and related eyewear
- Part 2: Filters for direct observation of the sun

The product(s) on this certificate and the Technical File have been assessed and found to be in conformance with the Annex V (Module B) and the applicable Essential Health and Safety Requirements in Annex II of the Personal Protective Equipment Regulation (EU) 2016/425.

The manufacturer has the responsibility for ensuring that all future serial manufacture of the product conforms to the sample submitted for Type-Examination referenced above.

Any changes to the design, manufacturing location or manufacture of the PPE product certified here must be advised to CCQS Certification Services Limited for review.

The manufacturer is entitled to affix the CE Marking in this form **CE** while the certificate remains current and valid. CE marking shall not be applied unless and until the manufacturer has fulfilled all applicable requirements of all relevant EU Regulations and/or Directives and issued the EU Declaration of Conformity.

This certificate has been issued by and remains the property of CCQS Certification Services Limited and may be withdrawn or suspended at any time if it is considered that the product(s) is no longer in conformity with the requirements of the Personal Protective Equipment Regulation (EU) 2016/425.

Date of Issue (Current):
2026-04-27

Valid From:
2026-02-19

Valid Until:
2031-02-18

Owen Bian - Director

Approved by
Ireland Government
as a Notified Body (No.2834)
for CE marking



Page 1 of 2
Fm 220-017 Rev7 2026.02.03

CCQS Certification Services Limited

Block 1 Blanchardstown Corporate Park, Ballycoolin Road,
Blanchardstown, Dublin15, D15 AKK1, Ireland

Tel: +00 353 1 588 6920

Website: www.ccqs.com

E-mail: info@ccqs.ie

If in any doubt about the integrity of this certificate,
please email verify@ccqs.ie or verify [online](#)

Certificate No.: CE-PC-260115-063-01-9B

Product: Solar eclipse glasses

Model reference: 7062, 7078, 7087, 7190

Description: Solar eclipse glasses with PET film lens and 250G pure wood pulp paper frame for direct observation of the sun
Size (L×H): 405mm×37mm
Luminous transmittance: 0.000403% (R), 0.000323% (L)
Solar UVA transmittance: 0.000009% (R), 0.000006% (L)
Solar UVB transmittance: 0.000010% (R), 0.000010% (L)
Solar infrared transmittance: 0.12% (R), 0.12% (L)
Models 7062, 7078, 7082, 7090 per different pattern

Test report no.: YW20260153

Revision History

A	Original issue	2026-02-19
B	Correct the technical parameter listing	2026-04-27

Module B EU Type-Examination Certificate

For the requirements of Personal Protective Equipment
Regulation (EU) 2016/425



Certificate No.: CE-PC-260115-063-02-9B

Manufacturer: **Medical King / Solar King**
555 Flushing Ave, 7L
BROOKLYN NY 11206 US

Product: **Solar eclipse glasses**
The listed models are **Category II PPE**
Detailed equipment description listed in the Annex

Model(s): 7191

Applicable Standard(s): EN ISO 12312-2:2015 Eye and face protection - Sunglasses and related eyewear
- Part 2: Filters for direct observation of the sun

The product(s) on this certificate and the Technical File have been assessed and found to be in conformance with the Annex V (Module B) and the applicable Essential Health and Safety Requirements in Annex II of the Personal Protective Equipment Regulation (EU) 2016/425.

The manufacturer has the responsibility for ensuring that all future serial manufacture of the product conforms to the sample submitted for Type-Examination referenced above.

Any changes to the design, manufacturing location or manufacture of the PPE product certified here must be advised to CCQS Certification Services Limited for review.

The manufacturer is entitled to affix the CE Marking in this form  while the certificate remains current and valid. CE marking shall not be applied unless and until the manufacturer has fulfilled all applicable requirements of all relevant EU Regulations and/or Directives and issued the EU Declaration of Conformity.

This certificate has been issued by and remains the property of CCQS Certification Services Limited and may be withdrawn or suspended at any time if it is considered that the product(s) is no longer in conformity with the requirements of the Personal Protective Equipment Regulation (EU) 2016/425.

Date of Issue (Current):
2026-04-27

Valid From:
2026-02-19

Valid Until:
2031-02-18

Owen Bian - Director

Approved by
Ireland Government
as a Notified Body (No.2834)
for CE marking



Page 1 of 2
Fm 220-017 Rev7 2026.02.03

CCQS Certification Services Limited

Block 1 Blanchardstown Corporate Park, Ballycoolin Road,
Blanchardstown, Dublin15, D15 AKK1, Ireland

Tel: +00 353 1 588 6920

Website: www.ccqs.com

E-mail: info@ccqs.ie

If in any doubt about the integrity of this certificate,
please email verify@ccqs.ie or verify [online](#)

Certificate No.: CE-PC-260115-063-02-9B

Product: Solar eclipse glasses

Model reference: 7191

Description: Solar eclipse glasses with PET film lens and 250G pure wood pulp paper frame for direct observation of the sun
Size (L×H): 380.5mm×54mm
Luminous transmittance: 0.000305% (R), 0.000303% (L)
Solar UVA transmittance: 0.000006% (R), 0.000006% (L)
Solar UVB transmittance: 0.000004% (R), 0.000004% (L)
Solar infrared transmittance: 0.13% (R), 0.16% (L)

Test report no.: YW20260154

Revision History

A	Original issue	2026-02-19
B	Correct the technical parameter listing	2026-04-27

Déclaration UE de Conformité

Annexe IX du Règlement (UE) 2016/425 relatif aux EPI

La présente Déclaration UE de Conformité concerne les produits suivants :

Nom du produit :	Lunettes pour éclipse solaire
Modèle(s) :	7062 7078 7087 7190
N° de lot :	

Le nom et l'adresse du fabricant sont les suivants :

Nom :	Medical king / Solar king
Adresse :	555 flushing ave, 7L BROOKLYN NY 11206 US

La présente Déclaration de Conformité est établie sous la seule responsabilité du fabricant.

Description détaillée de l'EPI permettant sa traçabilité et son identification :

Lunettes pour éclipse solaire

Papier 250 g + film PET assemblés pour former des lunettes protégeant les yeux lors de l'observation d'une éclipse.



Le produit identifié ci-dessus est conforme au **Règlement (UE) 2016/425 relatif aux équipements de protection individuelle (EPI)** ainsi qu'à la norme harmonisée **EN ISO 12312-2:2015**.

CCQS Certification Services Limited (NB 2834) a effectué l'examen UE de type (Module B) et a délivré le certificat d'examen de type suivant :

N°	Numéro du certificat d'examen UE de type (Module B)
1	CE-PC-260115-063-01-9B

Catégorie du produit :

☒ Produit EPI de catégorie II.

Nom du signataire : ABRAHAM GOLDSTEIN
Fonction dans l'entreprise : Directeur général (CEO)
Signature : ABRAHAM GOLDSTEIN

Lieu de délivrance : CCQS Certification Services Ltd. (NB2834), Block 1, Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin, D15 AKK1, Irlande.

Date : 15 janvier 2026