No. YW20260327

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中国认可
国际互认
检测
TESTING
CNAS L1071

TEST REPORT

Product: Solar eclipse glasses

Model: GLX01, GLX02, GLX03

Applicant: CCQS Certification Services Limited

Date of issue: 2026-03-03

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广州计量检测技术研究院
检验检测专用章
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TEST REPORTS

Information

Report No.	YW20260327
Commission No.	G4003502
Testing Laboratory	Guangzhou Institute of Measurement and Testing Technology
Address	No.19, Jiantashan Road, Kexuecheng, Guangzhou, Guangdong, China
Applicant	CCQS Certification Services Limited
Address	Rm 505, Taiji Building, No.211, Beisihuanzhonglu Haidian District, Beijing (100083), P.R.China
Information of samples	
Product	Solar eclipse glasses
Brand name	Galaxium
Model No.	GLX01, GLX02, GLX03
Manufacturer / Vendor	Molgha Inc.
Address	104 14626 Rue Lirette, Pierrefonds, QC, H9H 5E7
Quantity submitted	8 pcs.(GLX01: 4 pcs., GLX02: 2 pcs., GLX03: 2 pcs.)
Date	
Date of receipt	2026-02-11
Period of testing	2026-02-11 to 2026-03-03
Date of issue	2026-03-03
Environmental condition	
Temperature	（22.2～23.8） ℃
Relative humidity	（52～59） %
Test requested	ISO 12312-2:2015
Test method	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：王水玲

广州计量检测技术研究院 检验检测专用章

TEST REPORTS

Information

Description of samples	Photo of samples
Model: GLX01 Sample 1-1 Sample 1-2 Sample 1-3 Sample 1-4	
Model: GLX02 Sample 2-1 Sample 2-2	

——See next page——

主管：李育豪　　审核：张洁　　主检：王水玲

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.YW20260327

Description of samples	Photo of samples
Model: GLX03 Sample 3-1 Sample 3-2	

——See next page——

主管：李育豪　　审核：张洁　　主检：王水玲

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.YW20260327

Comment:

Clause	Requirement	Result
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	
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：王水玲

TEST RESULTS

ISO 12312-2:2015
Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

4.1 Transmittance

4.1.1 Genaral

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	0.000077%	0.00010%	Pass
Solar UVA transmittance (τ_{SUVA})	1-1	0.00000%	0.00000%	Pass
Solar UVB transmittance (τ_{SUVB})	1-1	0.00000%	0.00000%	Pass
Solar infrared transmittance (τ_{SIR})	1-1	0.0091%	0.010%	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_{SUVA})	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：王水玲

TEST RESULTS

ISO 12312-2:2015
Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

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	1.28%	Pass
	L	9.09%	Pass

Result：Pass.

4.2 Material and surface quality

Requirement:

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, 3-1, 3-2

Result：Pass.

4.3 Mounting

4.3.1 General

Requirement:

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

Result：Pass.

——See next page——

主管：李育豪　　审核：张洁　　主检：王水玲

TEST RESULTS

ISO 12312-2:2015
Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

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	129.24 mm	36.83 mm	14.67 mm	34.01 mm	Pass
Sample 2-1	130.07 mm	36.83 mm	14.71 mm	34.11 mm	Pass
Sample 3-1	129.66 mm	36.89 mm	14.75 mm	34.17 mm	Pass

Table 5. Requiremernts 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

Requirement:

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, 3-1, 3-2

Result：Pass.

——End of the report——

主管：李育豪 审核：张洁 主检：王水玲

No. YW20260328

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检测
TESTING
CNAS L1071

TEST REPORT

Product: Solar eclipse glasses

Model: GLX04, GLX05, GLX06

Applicant: CCQS Certification Services Limited

Date of issue: 2026-03-03

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广州计量检测技术研究院 检验检测专用章 (1)

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GUANGZHOU INSTITUTE OF MEASUREMENT AND TESTING TECHNOLOGY

TEST REPORTS

Information

Report No.	YW20260328
Commission No.	G4003502
Testing Laboratory	Guangzhou Institute of Measurement and Testing Technology
Address	No.19, Jiantashan Road, Kexuecheng, Guangzhou, Guangdong, China
Applicant	CCQS Certification Services Limited
Address	Rm 505, Taiji Building, No.211, Beisihuanzhonglu Haidian District, Beijing (100083), P.R.China
Information of samples	
Product	Solar eclipse glasses
Brand name	Galaxium
Model No.	GLX04, GLX05, GLX06
Manufacturer / Vendor	Molgha Inc.
Address	104 14626 Rue Lirette, Pierrefonds, QC, H9H 5E7
Quantity submitted	7 pcs.(GLX04: 3 pcs., GLX05: 2 pcs., GLX06: 2 pcs.)
Date	
Date of receipt	2026-02-11
Period of testing	2026-02-11 to 2026-03-03
Date of issue	2026-03-03
Environmental condition	
Temperature	（22.2～23.8） ℃
Relative humidity	（52～59） %
Test requested	ISO 12312-2:2015
Test method	ISO 12312-2:2015
Results	Please refer to the following pages.
Conclusion	Please refer to the following pages.

——See next page——

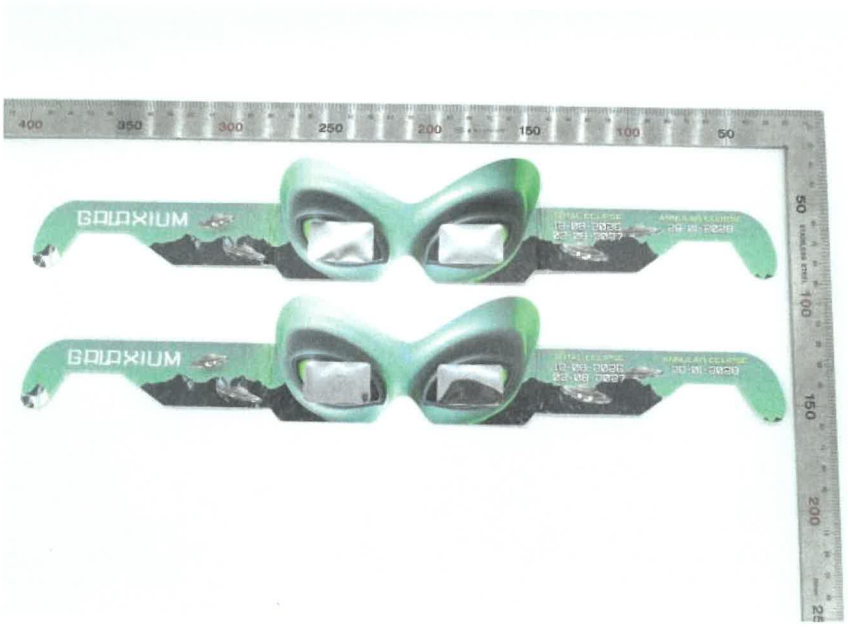
广州计量检测技术研究院 检验检测专用章 (1)

主管：李育豪 审核：张洁 主检：王水玲

TEST REPORTS

Information

Report No.YW20260328

Description of samples	Photo of samples
Model: GLX04 Sample 1-1 Sample 1-2 Sample 1-3	
Model: GLX05 Sample 2-1 Sample 2-2	

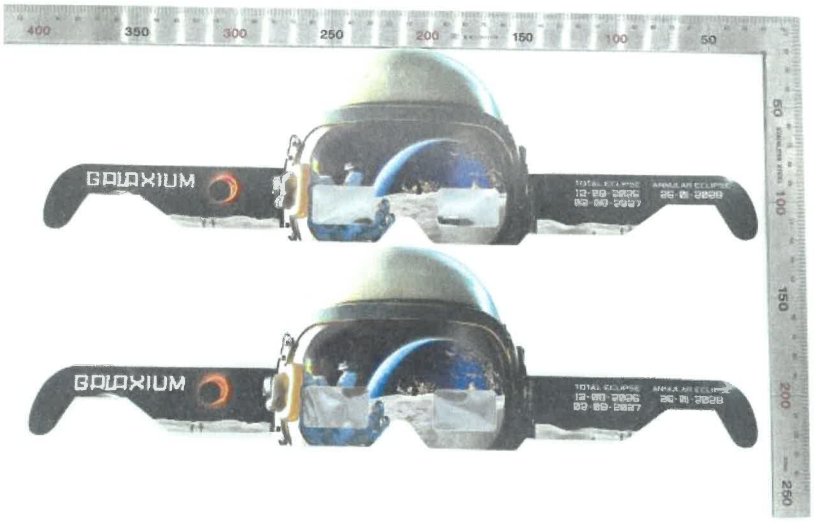
——See next page——

主管：李育豪　审核：张洁　主检：王水玲

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.YW20260328

Description of samples	Photo of samples
Model: GLX06 Sample 3-1 Sample 3-2	

——See next page——

主管：李育豪　　审核：张洁　　主检：王水玲

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.YW20260328

Comment:

Clause	Requirement	Result
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	
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：王水玲

TEST RESULTS

ISO 12312-2:2015
Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

4.1 Transmittance

4.1.1 Genaral

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	0.00012%	0.00010%	Pass
Solar UVA transmittance (τ_{SUVA})	1-1	0.00000%	0.00000%	Pass
Solar UVB transmittance (τ_{SUVB})	1-1	0.00000%	0.00000%	Pass
Solar infrared transmittance (τ_{SIR})	1-1	0.0011%	0.010%	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_{SUVA})	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：王水玲

TEST RESULTS

ISO 12312-2:2015
Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

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	8.33%	Pass
	L	9.09%	Pass

Result: Pass.

4.2 Material and surface quality

Requirement:

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, 2-1, 2-2, 3-1, 3-2

Result: Pass.

4.3 Mounting

4.3.1 General

Requirement:

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

Result: Pass.

——See next page——

TEST RESULTS

ISO 12312-2:2015
Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

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	127.65 mm	43.97 mm	14.38 mm	31.01 mm	Pass
Sample 2-1	123.62 mm	38.69 mm	14.29 mm	30.89 mm	Pass
Sample 3-1	126.26 mm	59.86 mm	14.31 mm	31.41 mm	Pass

Table 5. Requiremernts 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

Requirement:

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, 2-1, 2-2, 3-1, 3-2

Result：Pass.

——End of the report——

主管：李育豪 审核：张洁 主检：王水玲

No. YW20260329

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检测
TESTING
CNAS L1071

TEST REPORT

Product: Solar eclipse glasses

Model: GLX07, GLX08

Applicant: CCQS Certification Services Limited

Date of issue: 2026-03-03

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广州计量检测技术研究院
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GUANGZHOU INSTITUTE OF MEASUREMENT AND TESTING TECHNOLOGY

TEST REPORTS

Information

Report No.YW20260329

Report No.	YW20260329
Commission No.	G4003502
Testing Laboratory	Guangzhou Institute of Measurement and Testing Technology
Address	No.19, Jiantashan Road, Kexuecheng, Guangzhou, Guangdong, China
Applicant	CCQS Certification Services Limited
Address	Rm 505, Taiji Building, No.211, Beisihuanzhonglu Haidian District, Beijing (100083), P.R.China
Information of samples	
Product	Solar eclipse glasses
Brand name	Galaxium
Model No.	GLX07, GLX08
Manufacturer / Vendor	Molgha Inc.
Address	104 14626 Rue Lirette, Pierrefonds, QC, H9H 5E7
Quantity submitted	5 pcs.(GLX07: 3 pcs., GLX08: 2 pcs.)
Date	
Date of receipt	2026-02-11
Period of testing	2026-02-11 to 2026-03-03
Date of issue	2026-03-03
Environmental condition	
Temperature	（22.2～23.8） ℃
Relative humidity	（52～59） %
Test requested	ISO 12312-2:2015
Test method	ISO 12312-2:2015
Results	Please refer to the following pages.
Conclusion	Please refer to the following pages.

——See next page——

广州计量检测技术研究院 检验检测专用章

主管：李育豪 李育豪　审核：张洁 张洁　主检：王水玲 王水玲

TEST REPORTS

Information

Report No.YW20260329

Description of samples	Photo of samples
Model: GLX07 Sample 1-1 Sample 1-2 Sample 1-3	
Model: GLX08 Sample 2-1 Sample 2-2	

——See next page——

主管：李育豪　　审核：张洁　　主检：王水玲

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.YW20260329

Comment:

Clause	Requirement	Result
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	
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：王水玲

TEST RESULTS

ISO 12312-2:2015
Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

4.1 Transmittance

4.1.1 Genaral

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	0.00015%	0.000070%	Pass
Solar UVA transmittance (τ_{SUVA})	1-1	0.00000%	0.00000%	Pass
Solar UVB transmittance (τ_{SUVB})	1-1	0.00000%	0.00000%	Pass
Solar infrared transmittance (τ_{SIR})	1-1	0.010%	0.0082%	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_{SUVA})	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：王水玲

TEST RESULTS

ISO 12312-2:2015
Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

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	6.67%	Pass
	L	2.86%	Pass

Result: Pass.

4.2 Material and surface quality

Requirement:

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, 2-1, 2-2

Result: Pass.

4.3 Mounting

4.3.1 General

Requirement:

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

Test samples: 1-1, 2-1

Result: Pass.

——See next page——

TEST RESULTS

ISO 12312-2:2015
Eye and face protection — Sunglasses and related eyewear
—Part 2: Filters for direct observation of the sun

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	122.75 mm	37.81 mm	14.31 mm	31.67 mm	Pass
Sample 2-1	128.19 mm	55.31 mm	14.33 mm	31.16 mm	Pass

Table 5. Requiremernts 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

Requirement:

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, 2-1, 2-2

Result: Pass.

——End of the report——

主管：李育豪 审核：张洁 主检：王水玲