

No. YW20251043-1代替YW20251043 原证书/报告作废



7 2 3 0



中国认可
国际互认
检测
TESTING
CNAS L1071

TEST REPORT

Product: Solar Eclipse Glasses

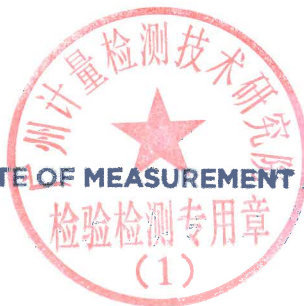
Model: LSP1

Applicant: CCQS Certification Services Limited

Date of issue: 2025-11-26

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

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TEST REPORTS

Information

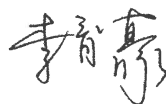
Report No. YW20251043-1代替YW20251043

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| | |
|--------------------------------|---|
| Report No. | YW20251043-1代替YW20251043 |
| Commission No. | 4017499 |
| 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 | Lionstar |
| Model No. | LSP1 |
| Manufacturer / Vendor | Shenzhen Lionstar Technology Co., Ltd. |
| Address | 5 Floor, No.1 Factory, 4 Chuangye Road, Zhangbei, Xinlian community, Longgang District, 518172, SZ, China |
| Quantity submitted | 6 pcs. |
| Date | |
| Date of receipt | 2025-09-13 |
| Period of testing | 2025-09-13 to 2025-10-23 |
| Date of issue | 2025-11-26 |
| Environmental condition | |
| Temperature | (23.0~24.7) °C |
| Relative humidity | (50~56) % |
| 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. |
| Notes | 1. " YW20251043-1 代替 YW20251043 " means " The Report YW20251043 is replaced by the Report YW20251043-1 ". 2. " 原证书/报告作废 " means " The original Report YW20251043 is invalid ". |

— See next page —

主管:



李育豪

审核:

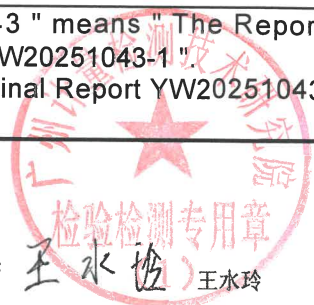


张洁

主检:



王水玲


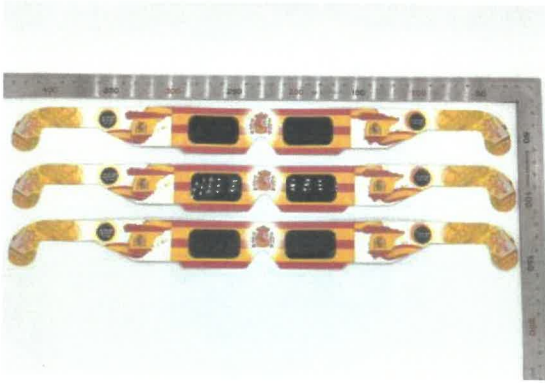


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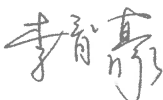
| Description of samples | Photo of samples |
|--|---|
| Sample 1-1 Sample 1-2 Sample 1-3 |  |
| Sample 2-1 Sample 2-2 Sample 2-3 |  |

Comment:

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

| 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—

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审核:  张洁

主检:  王水玲

检测

 检测
 (1)

TEST RESULTS

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

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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 | 0.00027% | 0.00030% | Pass |
| Solar UVA transmittance (τ_{SUA}) | 1-1 | 0.00001% | 0.00001% | Pass |
| Solar UVB transmittance (τ_{SUVB}) | 1-1 | 0.00001% | 0.00001% | Pass |
| Solar infrared transmittance (τ_{SIR}) | 1-1 | 0.12% | 0.13% | 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.

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 张洁

主检:

 王水玲

王水玲

TEST RESULTS

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

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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 | 3.70% | Pass |
| | L | 3.33% | 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, 2-1, 2-2, 2-3

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

Result: Pass.

4.3.2 Dimensions

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 | 143.85 mm | 37.47 mm | 14.24 mm | 28.36 mm | Pass |
| Sample 2-1 | 143.87 mm | 37.42 mm | 14.31 mm | 28.32 mm | Pass |


Result: Pass.

—See next page—

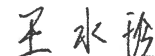
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 李育豪

审核:

 张洁

主检:

 王水玲

TEST RESULTS

EN ISO 12312-2:2015

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

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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 |

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


Result: Pass.

——End of the report——

主管:


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审核:


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主检:


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