

Test Report **SL52105267840901TX** **Date: May 18, 2021** **Page 1 of 4**
WENZHOU OPTICAR LIGHTING CO.,LTD
18-6 MINGSHAN ROAD,KUNYANG TOWN,PINGYANG,WENZHOU,ZHEJIANG,CHINA

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

Sample Description : (A)Face mask

Sample Color : (A)white

Style No. : Kingyi OP01

Manufacturer : WENZHOU OPTICAR LIGHTING CO.,LTD

Country of Origin : China

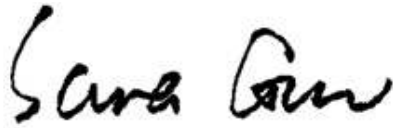
Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : May 07, 2021

Testing Period : May 10, 2021 - May 18, 2021

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center



Sara Guo (Account Executive)

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Test Result

Personal Protective Equipment - Respiratory Protective Devices- Filtering Half Masks to Protect against Particles- Requirements, Testing, Marking

EN 149:2001+A1:2009

Clause 7.9.1 Total Inward Leakage
(EN 149:2001+A1:2009, Clause 8.5)

| Test Requirement | Results | Comment |
|---|----------------------------|----------------------|
| <p>The total inward leakage consists of three components: face seal leakage, exhalation valve leakage (if exhalation valve fitted) and filter penetration. For particle filtering half masks fitted in accordance with the manufacturer's information, at least 46 out of the 50 individual exercise results (i.e. 10 subjects x 5 exercises) for total inward leakage shall be not greater than: 25% for FFP1, 11% for FFP2, 5% for FFP3</p> <p>and, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than: 22% for FFP1, 8% for FFP2, 2% for FFP3</p> | Detail refer to Appendix 1 | Meet FFP1, Meet FFP2 |

Appendix 1: Summarization of Test DataInward Leakage Test Data

| Subject | Sample No. | Condition | Walk(%) | Head Side/side(%) | Head up/down(%) | Talk(%) | Walk(%) | Mean(%) |
|---------|------------|-----------|---------|-------------------|-----------------|---------|---------|---------|
| Zhou | 1 | A.R. | 5.37 | 4.73 | 4.96 | 5.56 | 5.09 | 5.14 |
| Luo | 2 | A.R. | 6.31 | 6.52 | 6.15 | 6.53 | 5.72 | 6.25 |
| Lu | 3 | A.R. | 5.07 | 4.75 | 5.57 | 5.66 | 5.48 | 5.30 |
| Wang | 4 | A.R. | 3.64 | 4.22 | 4.41 | 4.73 | 3.98 | 4.20 |
| Bao | 5 | A.R. | 6.79 | 6.48 | 6.17 | 6.88 | 6.03 | 6.47 |
| Ding | 6 | T.C. | 4.66 | 4.41 | 4.36 | 4.73 | 4.19 | 4.47 |
| Li | 7 | T.C. | 6.36 | 6.24 | 6.68 | 6.71 | 6.54 | 6.51 |
| Chen | 8 | T.C. | 4.40 | 4.28 | 4.47 | 5.08 | 4.95 | 4.64 |
| Song | 9 | T.C. | 5.82 | 5.26 | 5.72 | 5.86 | 5.45 | 5.62 |
| Ye | 10 | T.C. | 6.03 | 6.39 | 6.24 | 7.55 | 7.38 | 6.72 |

Facial Dimension

| Subject | Face length | Face Width | Face Depth | Mouth Width |
|---------|-------------|------------|------------|-------------|
| Chen | 125 | 150 | 120 | 58 |
| Lu | 115 | 132 | 107 | 48 |
| Zhou | 115 | 135 | 106 | 52 |
| Li | 125 | 130 | 107 | 46 |
| Luo | 125 | 136 | 100 | 43 |
| Zheng | 128 | 140 | 112 | 55 |
| Wang | 120 | 147 | 103 | 48 |
| Song | 120 | 140 | 100 | 50 |
| Bao | 130 | 134 | 104 | 50 |
| Ding | 134 | 150 | 110 | 52 |
| Liu | 120 | 135 | 117 | 50 |

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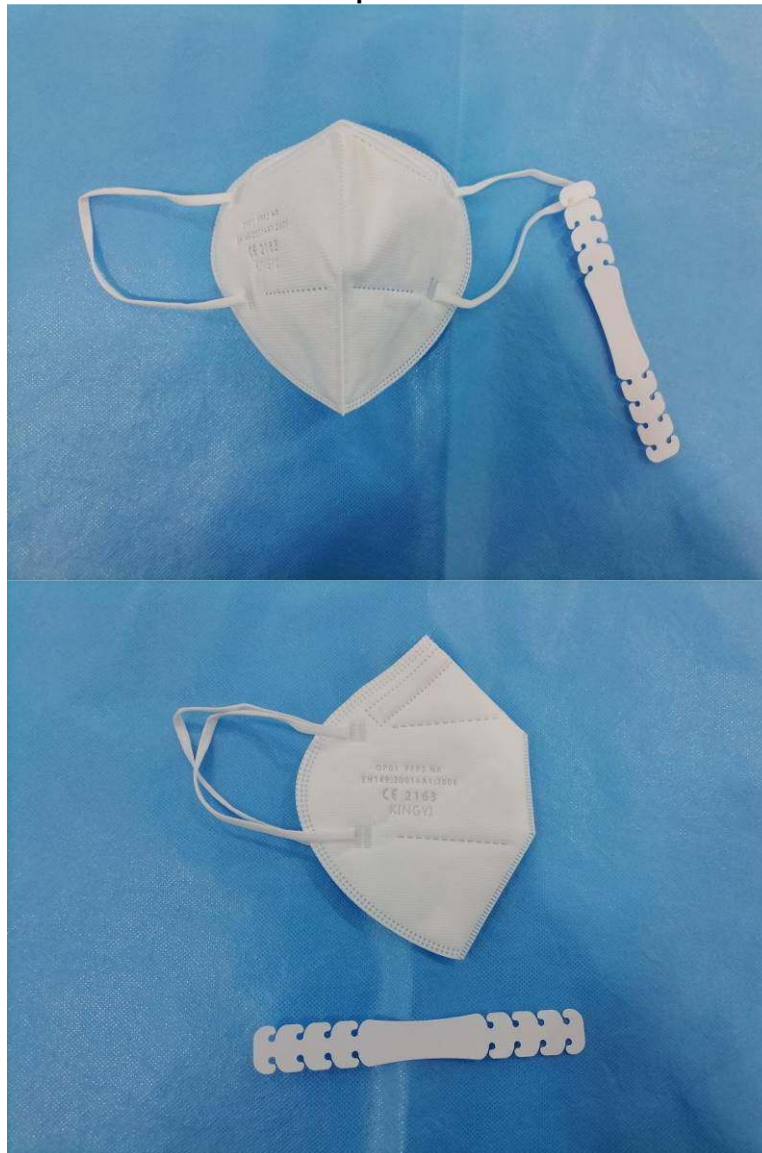
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| | | | | |
|----|-----|-----|-----|----|
| Ye | 126 | 137 | 105 | 52 |
|----|-----|-----|-----|----|

Note: A panel of ten clean-shaven persons (without beards or sideburns) were selected covering the spectrum of facial characteristics of typical users of the filtering half masks submitted by applicant (excluding significant abnormalities). It is to be expected that exceptionally some persons cannot be satisfactorily fitted with a particle filtering half mask. Such exceptional subjects shall not be used for testing particle filtering half masks.

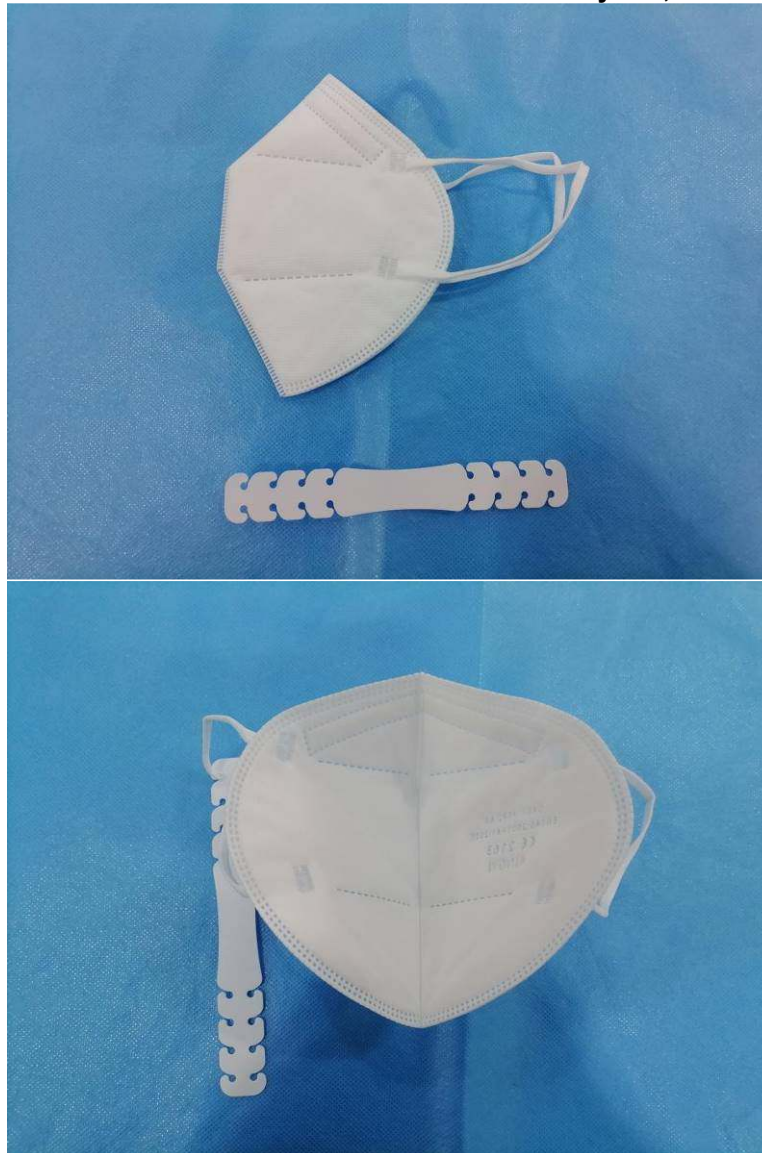
Sample Photo



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Product information is provided by applicant without verification of authentication of the brand.

End of Report



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