







(2020) WSZ FHL NO.6171

| Product Name | Filtering half mask | | | | | |
|----------------|---------------------|-------------------|--|--|--|--|
| Client _ | ROYAL FORKLIFT | (JIANGSU) CO.,LTD | | | | |
| Manufacturer _ | ROYAL FORKLIFT | (JIANGSU) CO.,LTD | | | | |
| Test Type _ | Entrusted | inspection | | | | |

Jiangsu Guojian Testing Technology Co., Ltd. 检验专用章

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| [2020] 11 52 | 111E 1(0.0171 | | 1 age 1 01 0 | | |
|--------------------------|---|--|---|--|--|
| Product name | Filtonia a half manla | Specification | ROYAL 2295i-a1 | | |
| 1 Toduct Hame | Filtering half mask | Brand | | | |
| Client/Add/Tel | ROYAL FORKLIFT (JIANGSU) CO OF WEIER ROAD, GUOXIANG STI | | | | |
| Manufacturer/ Add/Tel | ROYAL FORKLIFT (JIANGSU) CO OF WEIER ROAD, GUOXIANG STI | , | | | |
| Sample grade | KN95, FFP2 | Sample number | GW6171-2020 | | |
| Sample quantity | 110 pcs | Receiving date of sample | 27/05/2020 | | |
| Test type | Entrusted inspection | Article number/Batch number/Style number | 1-(79) | | |
| Test date | 27/05/2020~04/06/2020 | Testing sites | Testing room | | |
| Sample state | Meeting the requirements of testing | Sample description | _ ~ _ | | |
| Test standard(s) | EN 149:2001+A1:2009 Respiratory particles- Requirements, testing, marki | - | g half masks to protect agains | | |
| Test items | Visual inspection, practical performan carbon dioxide content of the inhalation filter material, breathing resistance, to | on air, material, head harness | • | | |
| Test conclusion | The sample upon testing, the test i standard. The detail of test results see | on Pages 2-6. | ts of the EN 149:2001+A1:2009 date: 05/06/2020 | | |
| Note | For the entrusted sample test, the tech undertaken for the test results of the | | 检验专用意 | | |

Approver:

Reviewer: 3/2

Chief Tester:





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| S.No. | Test i | tem | Unit | Technical requirements | Test result | | Technical requirements Test result | | Single item decision |
|-------|-----------------------|---|------|--|--|---|------------------------------------|--|----------------------|
| - | Visual | Packaging | _ | Particle filtering half masks shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use. | Packaging withstands mechanical damage and contamination. | | Qualified | | |
| 1 | inspection | Material | - | Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used. | Materials withstand handling and wear. | | Quanned | | |
| | | Head harness comfort | - | Head harness should be comfort. | comfortal | 1 has the feeling of ble wearing 2 has the feeling of ble wearing | | | |
| 2 | Practical performance | Security of fastenings | - | Fastenings are safe and reliable | | : All fastenings are firm. : All fastenings are firm | Qualified | | |
| | | Field of vision | _ | Field of vision is acceptable | Sample 1: Having a wider visu field Sample 2: Having a wider visu field | | | | |
| 3 | Finish o | f parts | _ | Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs. | Parts of the device have no sharp edges and burrs | | Qualified | | |
| 4 | Compatibili | ty with skin | _ | Materials that may come into contact with the wearer's skin shall not be known to be likely to cause irritation or any other adverse effect to health. | A.R. | 5 pcs all don't cause irritation 5 pcs all don't cause irritation | Qualified | | |
| | Flamm | mask shall not burn or continue to burn for m | | When tested, the particle filtering half | | The Sample is burning. Burning time:0.1s The Sample is burning. Burning time:0.1s | | | |
| 5 | | | | continue to burn for more than 5s after removal from the flame. | T.C. | The Sample is burning. Burning time:0.1s The Sample is burning. Burning time:0.1s | Qualified | | |

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| S.No. | Test i | item | Unit | Technical requirements | equirements Test result | | | Single item decision | |
|-------|-------------------------|-----------------|--|--|---|------|-----------|----------------------|-----------|
| 6 | Carbon diox of the inha | | \$ <u> </u> | Sample 1 0.7129% Sample 2 0.7121% Sample 3 0.7124% Average 0.71% | | 1% | Qualified | | |
| 7 | 7 Material | | After undergoing S.W., none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps. After undergoing S.W. and T.C., none of the particle filtering half masks shall not collapse. | | Sample 1: neither facepiece nor straps have mechanical failure Sample 2: neither facepiece nor straps have mechanical failure Sample 3: neither facepiece nor straps have mechanical failure Sample 1: no collapse Sample 2: no collapse Sample 3: no collapse | | | Qualified | |
| | | | | | | | | | |
| 8 | Head harness — | | | The head harness shall be designed so that the particle filtering half mask can be donned and removed easily. The head harness shall be | All of 5 pieces particle filtering half mask meet the requirements | | Qualified | | |
| 8 | | | adjustable or self-adjustable or | | All of 5 pieces particle filtering half mask meet the requirements | | Quanned | | |
| 9 | Field of | `vision | _ | The field of vision is acceptable if determined so in practical performance tests. | The two samples both have a wider visual field | | | er Qualified | |
| | | | | | A.R. | 0.1% | 0.1% | 0.1% | |
| | Penetration | Sodium chloride | - | ≤6% | S.W. | 0.1% | 0.1% | 0.1% | Qualified |
| 10 | | | | M.S+T.C. | 0.3% | 0.2% | 0.3% | | |
| 10 | material | | | A.R. | 0.3% | 0.3% | 0.3% | | |
| | | Paraffin oil | _ | €6% | S.W. | 0.3% | 0.4% | 0.3% | Qualified |
| | | | | | M.S+T.C. | 1.1% | 1.3% | 1.2% | |

[2020] WSZ FHL NO.6171 Page 4 of 6 Test result **Technical** Facing Facing Facing Lying on Single item Lying on S. No. Unit Test item requirements Exercises directly vertically vertically the left the right decision ahead upwards downwards side side 0.6 0.5 0.6 0.6 0.6 A.R. 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.5 0.6 0.6 0.6 0.5 0.5 0.6 0.6 Inhalation S.W. ≤0.7 0.5 0.5 0.6 0.6 0.6 30 L/min 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.5 0.6 0.6

Qualified T.C. 0.6 0.6 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 2.0 1.9 2.0 2.0 2.0 A.R. 1.9 1.9 1.9 2.0 2.0 2.0 2.0 2.0 1.9 1.9 1.9 1.9 2.0 2.0 2.0 Breathing Inhalation 11 mbar ≤2.4 S.W. 1.9 2.0 2.0 2.0 Qualified 2.0 resistance 95 L/min 1.9 1.9 2.0 2.0 2.0 2.0 2.0 1.9 2.0 2.0 T.C. 2.0 2.0 2.0 2.1 1.9 1.9 1.9 2.0 2.0 2.0 2.4 2.5 2.4 2.4 2.4 A.R. 2.4 2.4 2.4 2.5 2.4 2.4 2.4 2.4 2.4 2.5 2.4 2.4 2.4 2.5 2.4 Exhalation ≤3.0 S.W. 2.4 2.4 2.4 2.4 Qualified 2.5 160 L/min 2.4 2.4 2.5 2.4 2.4 2.4 2.4 2.4 2.5 2.4 T.C. 2.4 2.4 2.5 2.4 2.4 2.4 2.4 2.4 2.5 2.4

| S. No. | Test item | Unit | Technical requirements | | | | Test | result | | | | Single iten decision |
|--------|-------------------|------|---|------|-------|--------|--------|--------|--------|--------|---------|----------------------|
| | | | | Exer | cises | E1 (%) | E2 (%) | E3 (%) | E4 (%) | E5 (%) | TIL (%) | |
| | | | | | 1# | 7.3 | 7.9 | 8.2 | 8.0 | 7.5 | 7.8 | |
| | | | At least 46 out of | | 2# | 7.3 | 8.1 | 8.3 | 8.3 | 7.8 | 8.0 | |
| | | | the 50 individual exercise results | A.R. | 3# | 7.2 | 7.8 | 7.8 | 7.7 | 7.2 | 7.5 | |
| 7 | Total | | shall be not greater than 11%; | | 4# | 7.2 | 7.9 | 7.7 | 7.7 | 7.2 | 7.5 | |
| 12 | inward leakage | + | And in addition,at least 8 out of the 10 | 1 | 5# | 7.5 | 8.0 | 7.8 | 7.9 | 7.5 | 7.7 | Qualified |
| | | | individual wearer arithmetic means | | 6# | 7.0 | 8.0 | 8.2 | 8.2 | 7.5 | 7.8 | |
| | | | for the total inward leakage shall be not | | 7# | 8.0 | 9.1 | 9.0 | 8.4 | 8.8 | 8.7 | |
| | | | greater than 8%. | T.C. | 8# | 7.1 | 7.8 | 7.8 | 7.3 | 7.2 | 7.4 | |
| | | | | | 9# | 7.7 | 8.7 | 8.4 | 7.2 | 7.5 | 7.9 | |
| | | | | | 10# | 7.2 | 8.2 | 8.3 | 7.8 | 7.4 | 7.8 | |

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| The end | |
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SUPPLEMENTARY TEST REPORT

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Facial dimensions of ten test subjects:

| Subject | Face Length | Face Width | Face Depth | Mouth Width |
|---------|-------------|------------|------------|-------------|
| | (mm) | (mm) | (mm) | (mm) |
| 1 | 120 | 130 | 109 | 59 |
| 2 | 122 | 140 | 115 | 65 |
| 3 | 119 | 160 | 139 | 55 |
| 4 | 112 | 122 | 119 | 63 |
| 5 | 110 | 130 | 118 | 60 |
| 6 | 115 | 119 | 110 | 59 |
| 7 | 112 | 123 | 113 | 55 |
| 8 | 103 | 130 | 100 | 50 |
| 9 | 118 | 139 | 130 | 63 |
| 10 | 115 | 129 | 120 | 50 |

The end

