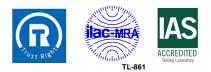


|  | half masks to protect against particles<br>ERFORMED IN ACCORDANCE WITH:   |  |  |  |  |
|--|---|--|--|--|--|
|  | protective devices - Filtering half masks to protect against particles -  |  |  |  |  |
| Test Report No.: R20200062             |   |  |  |  |  |
| Tested by (name + function + signature | re): Alex He Test Engineer Jurs He<br>ature): Dyne Wang Laboratory Manager June Uhr   |  |  |  |  |
| Approved by (name + function + signa   | ature): Dyne Wang Laboratory Manager  |  |  |  |  |
| Date of issue :                        | Jun 15 <sup>th</sup> , 2020   |  |  |  |  |
| Project No.:                           | P20200085   |  |  |  |  |
| Testing Laboratory                     | Trust Right Testing and Certification Service (Zhongshan) Ltd.  |  |  |  |  |
| Address                                | No.28, Shangjian Road, Nantou Town, Zhongshan Guangdong   |  |  |  |  |
| Testing Location                       | Trust Right Testing and Certification Service (Zhongshan) Ltd.  |  |  |  |  |
| Address                                | No.28, Shangjian Road, Nantou Town, Zhongshan Guangdong   |  |  |  |  |
| Applicant's name                       | UNIVERSAL CERTIFICATION and SURVEILLANCE SERVICES Trade Co.   |  |  |  |  |
| Address                                |   |  |  |  |  |
| Manufacturer's name                    | JIANGMEN YANYANG TRADING CO.,LTD  |  |  |  |  |
| Address                                | NO.1, 4THFLOOR, BUILDING2, NO.18XINYIROAD, JIANGHAI<br>DISTRICT, JIANGMENCITY, GUANGDONGPROVINCE, CHINA                                   |  |  |  |  |
| Factory's name                         | Same as manufacturer  |  |  |  |  |
| Address                                | Same as manufacturer  |  |  |  |  |
| =                                      | Filtering half mask   |  |  |  |  |
| Trade Mark:                            | N/A   |  |  |  |  |
| Model/Type reference:                  | YY0525  |  |  |  |  |
| Grade                                  | FFP2  |  |  |  |  |
| Country of destination (code):         | N/A   |  |  |  |  |
| Sample                                 |   |  |  |  |  |
| Samples received on                    | Jun 5 <sup>th</sup> , 2020  |  |  |  |  |
| Reference samples                      | S202000YY   |  |  |  |  |
| Samples tested on                      | Jun 5 <sup>th</sup> , 2020 – Jun 15 <sup>th</sup> , 2020  |  |  |  |  |
| Result:                                | The test items PASSED/FAILED partially the test specification(s).   |  |  |  |  |
|  | For detailed testing of items, please refer to the report and testing data.   |  |  |  |  |
|  | whole or in part for non-commercial purposes as long as the Trust Right ngshan) Ltd. is acknowledged as copyright owner and source of the |  |  |  |  |

Testing and Certification Service (Zhongshan) Ltd. is acknowledged as copyright owner and source of the material. Trust Right Testing and Certification Service (Zhongshan) Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context. The results referred in this report are only relevant to the samples tested and described in this report.



| RELEASE CONTROL RECORD                            |  |  |  |  |  |  |
|---|--|--|--|--|--|--|
| TEST REPORT NUMBER REASON OF CHANGE DATE OF ISSUE |  |  |  |  |  |  |
|   |  |  |  |  |  |  |
|   |  |  |  |  |  |  |
|   |  |  |  |  |  |  |



### GENERAL DESCRIPTION OF THE APPLIANCE

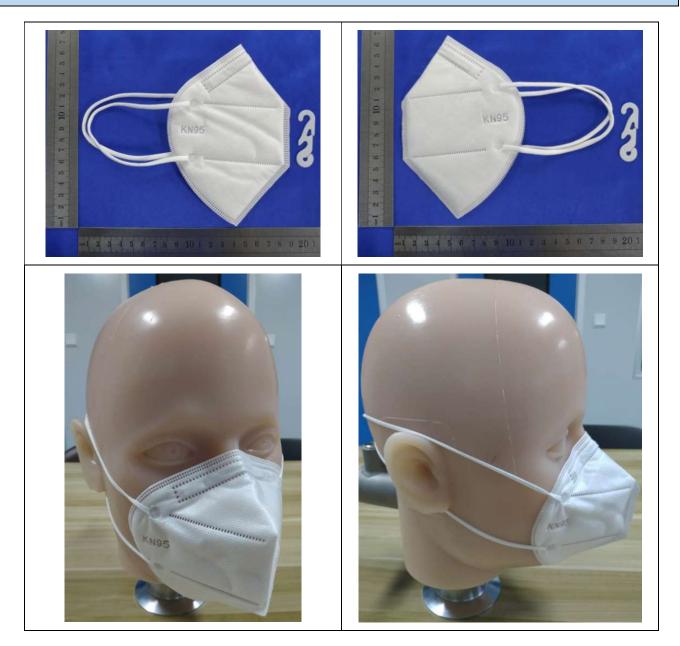
#### 1, Description of the appliances

| Product description | Filtering half mask |  |  |
|---------------------|---------------------|--|--|
| Product name        | Filtering half mask |  |  |
| Model               | YY0525              |  |  |
| Classification      | FFP2                |  |  |



# **Test Report**

### PICTURES



| PRINCIPALS COMPONENTS                           |  |  |  |  |  |  |
|---|--|--|--|--|--|--|
| COMPONENT MANUFACTURER MODEL Certificate/report |  |  |  |  |  |  |
|   |  |  |  |  |  |  |



|             | Evaluation according to the test specifica  | tion (standard)                |         |
|-------------|---|--------------------------------|---------|
| Abbreviatio | ons of the verdict:   |                                |         |
|             | P(ass) = passed<br>F(ail) = failed<br>N/A = not applicable<br>N/T = not tested  |                                |         |
|             | +A1:2009 Respiratory protective devices - Filtering half mask<br>s, testing, marking  | s to protect against particle  | S -     |
| Clause      | Requirements  | Result/Comment                 | Verdict |
| 1           | Scope   | 1                              |         |
| 2           | Normative references  |                                |         |
| 3           | Terms and definitions   |                                |         |
| 4           | Description   |                                |         |
| 5           | Classification<br>Particle filtering half masks are classified according to<br>their filtering efficiency and their maximum total inward<br>leakage. There are three classes of devices:  |                                | Р       |
|             | - FFP1  |                                | N/A     |
|             | - FFP2  | Designation is Grade<br>FFP2.  | Р       |
|             | - FFP3  |                                | N/A     |
| 6           | Designation   |                                | Р       |
|             | Particle filtering half masks meeting the requirements of this European Standard shall be designated in the following manner:   |                                |         |
| 7           | Requirements  |                                | Р       |
| 7.1         | General   |                                | Р       |
|             | All test all test samples shall meet the requirements.  |                                | Р       |
| 7.2         | Nominal values and tolerances   |                                | Р       |
|             | Except for temperature limits, values which are not stated as maxima or minima shall be subject to a tolerance of $\pm$ 5%.<br>Unless otherwise specified, the ambient temperature for testing shall be(16-32)° C, and the temperature limits shall be subject to an accuracy of $\pm$ 1° C |                                | Ρ       |
| 7.3         | Visual inspection   |                                | Р       |
|             | The visual inspection shall also include the marking and the information supplied by the manufacturer.  | In accordance with requirement | Р       |



| 7.4                                   | Packaging  |  | Р   |
|---------------------------------------|--|--|-----|
|                                       | Particle filtering half masks shall be offered for sale<br>packaged in such a way that they are protected against<br>mechanical damage and contamination before use.   | In accordance with requirement   | Р   |
| 7.5                                   | Material   |  | Р   |
|                                       | Materials used shall be suitable to withstand handling<br>and wear over the period for which the particle filtering<br>half mask is designed to be used.<br>After undergoing the conditioning described in 8.3.1<br>none of the particle filtering half masks shall have<br>suffered mechanical failure of the facepiece or straps.<br>Three particle filtering half masks shall be tested.<br>When conditioned in accordance with 8.3.1 and 8.3.2<br>the particle filtering half mask shall not collapse.<br>Any material from the filter media released by the air<br>flow through the filter shall not constitute a hazard or<br>nuisance for the wearer. | No mechanical failure<br>after undergoing the<br>conditioning described in<br>8.3.1. No collapse when<br>conditioned in<br>accordance with 8.3.1<br>and 8.3.2. | Ρ   |
| 7.6                                   | Cleaning and disinfecting  | Single shift use only.   | N/A |
| 7.7                                   | Practical performance  |  | Р   |
|                                       | The particle filtering half mask shall undergo practical<br>performance tests under realistic conditions. These<br>general tests serve the purpose of checking the<br>equipment for imperfections that cannot be determined<br>by the tests described elsewhere in this standard.<br>Where practical performance tests show the apparatus<br>has imperfections related to wearer's acceptance, the<br>test house shall provide full details of those parts of the<br>practical performance tests which revealed these<br>imperfections.  | No imperfections.  | Р   |
| 7.8                                   | Finish of parts  |  | Р   |
|                                       | Parts of the devices likely come into contact with the wearer shall have no sharp edges or burrs.  | No sharp edges or burrs.   | Р   |
| · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · ·  | •  |     |



| 7.9   | Leakage  |   | Р |
|-------|--|---|---|
| 7.9.1 | Total inward leakage   |   | Р |
|       | The laboratory tests shall indicate that the particle<br>filtering half mask can be used by the wearer to protect<br>with high probability against the potential hazard to be<br>expected.   |   |   |
|       | The total inward leakage consists of three components:<br>face seal leakage, exhalation valve leakage (if<br>exhalation valve fitted) and filter penetration.<br>For particle filtering half masks fitted in accordance<br>with the manufacturer's information, at least 46 out of<br>the 50 individual exercise results (i.e. 10 subjects x 5<br>exercises) for total inward leakage shall be not greater<br>than<br>25 % for FFP1<br>11 % for FFP2<br>5 % for FFP3 | Meeting requirement of<br>11 % for FFP2                           | Ρ |
|       | and, in addition, at least 8 out of the 10 individual<br>wearer arithmetic means for the total inward leakage<br>shall be not greater than<br>22 % for FFP1<br>8 % for FFP2<br>2 % for FFP3<br>Testing shall be done in accordance with 8.5.   | Meeting requirement of 8 %<br>for FFP2<br>Detail refer to table 1 |   |
| 7.9.2 | Penetration of filter material   |   | Р |
|       | $\begin{tabular}{lllllllllllllllllllllllllllllllllll$  | Detail refer to table 2   | Ρ |
| 7.10  | Compatibility with skin  |   | Р |
|       | 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.   | No irritation or any other adverse effect to health.              | Ρ |
| 7.11  | Flammability   |   | Р |
|       | The material used shall not present a danger for<br>the wearer and shall not be of highly flammable<br>nature.   | Detail refer to table 3   | Р |



|      |  |   | 10001   |   |                          |     |  |
|------|--|---|---|---|--------------------------|-----|--|
| 7.12 | Carbon d   | ioxide conten   | t of the inhala   | ation air   |                          | Р   |  |
|      |  | on dioxide cor<br>ace) shall not<br>volume).  |   |   | Detail refer to table 4  | Р   |  |
| 7.13 | Head har   | ness  |   |   |                          | Р   |  |
|      | and remo   | ness shall be designed can be donned<br>ved easily and adjustable or self-<br>and sufficiently robust to hold the |   |   |                          | Р   |  |
| 7.14 | Field of vi  | sion  |   |   |                          | Р   |  |
|      | Field of vi<br>performar   | sion is accep<br>nce tests.   | table in pract  | tical   |                          | Р   |  |
| 7.15 | Exhalation   | n valve(s)  |   |   |                          |     |  |
|      | more exh<br>correctly i<br>If an exha<br>protected<br>mechanic<br>include ar<br>for the pa<br>7.9.<br>Exhalation<br>operate c<br>flow of 30<br>When the<br>the facebl  | ny other devic<br>rticle filtering<br>n valve(s), if f<br>orrectly after<br>0 l/min over a                        | s) and shall f<br>ons.<br>s provided it s<br>resistant to<br>nd may be sh<br>ce that may b<br>half mask to<br>itted, shall co<br>a continuous<br>a period of 30<br>alve housing<br>vithstand axia | function<br>shall be<br>dirt and<br>prouded or may<br>be necessary<br>comply with<br>ontinue to<br>exhalation<br>) s.<br>is attached to | ,<br>No exhalation valve | N/A |  |
| 7.16 | Breathing  | Breathing resistance  |   |   |                          |     |  |
|      | The breathing resistances apply to valved and valveless particle filtering half mask and shall meet the requirements of table 2.         Table 2 - Breathing resistance         Classification         Maximum permitted resistance (mbar)         inhalation         30 //min       95 //min         FFP1       0,6       2,1       3,0         FFP2       0,7       2,4       3,0         FFP3       1,0       3,0 |   |   |   | Detail refer to table 5  | Ρ   |  |
| 7.17 | Clogging   |   |   |   |                          | N/A |  |
| 7.18 |  | able parts  |   | Earloops with adjustable device   | P                        |     |  |
| 1.10 |  |   |   |   |                          |     |  |
| 8    | Testing  |   |   |   |                          |     |  |



| 9.1   | Packaging  |  |               |  |  |  |  |
|-------|--|--|---------------|--|--|--|--|
|       | The following information shall be clearly and dura commercially available packaging or legible throug   |  |               |  |  |  |  |
| 9.1.1 | The name, trademark or other means of<br>identification of the manufacturer or supplier.Not provided by the<br>applicant;  |  |               |  |  |  |  |
| 9.1.2 | Type-identifying marking.  | Not provided by the applicant;   | N/T           |  |  |  |  |
| 9.1.3 | Classification: FFP1, FFP2, FFP3.<br>"NR" if the particle filtering half mask is limited to<br>single shift use only. Example: FFP3 NR, or<br>"R" if the particle filtering half mask is re-usable.<br>Example: FFP2 R D | "NR" if the particle filtering half mask is limited to<br>single shift use only. Example: FFP3 NR, or<br>"R" if the particle filtering half mask is re-usable. |               |  |  |  |  |
| 9.1.4 | The number and year of publication of this European Standard.  | Not provided by the applicant;   | N/T           |  |  |  |  |
| 9.1.5 | At least the year of end of shelf life.  | Not provided by the applicant;   | N/T           |  |  |  |  |
| 9.1.6 | The sentence 'see information supplied by the manufacturer', at least in the official language(s) of the country of destination, or by using the pictogram as shown in Figure 12b.                                       |  |               |  |  |  |  |
| 9.1.7 | The manufacturer's recommended conditions of storage (at least the temperature and humidity) or equivalent pictogram, as shown in Figures 12c and 12d.   | N/T  |               |  |  |  |  |
| 9.1.8 | The packaging of those particle filtering half<br>masks passing the dolomite clogging test shall be<br>additionally marked with the letter "D".  | N/A  |               |  |  |  |  |
| 9.2   | Particle filtering half mask   |  |               |  |  |  |  |
|       | Particle filtering half masks complying with this Eu durably marked with the following:  | ropean Standard shall b  | e clearly and |  |  |  |  |
| 9.2.1 | The name, trademark or other means of identification of the manufacturer or supplier.  | Not provided by the applicant;   | N/T           |  |  |  |  |
| 9.2.2 | Type-identifying marking.  | Not provided by the applicant;   | N/T           |  |  |  |  |
| 9.2.3 | The number and year of publication of this European Standard.  | The number and year of publication of this Not provided by the   |               |  |  |  |  |
| 9.2.4 | The symbols FFP1, FFP2 or FFP3 according to class.   | The symbols FFP1, FFP2 or FFP3 according to Not provided by the  |               |  |  |  |  |
| 9.2.5 | If appropriate the letter D (dolomite) in accordance with clogging performance. This letter shall follow the class designation (see 9.2.4).  | If appropriate the letter D (dolomite) in<br>accordance with clogging performance. This letter     Not provided by the<br>applicant:     N/A                   |               |  |  |  |  |
| 9.2.6 | Sub-assemblies and components with considerable bearing on safety shall be marked so that they can be identified.       Not provided by the applicant;       N/A   |  |               |  |  |  |  |
| 10    | Information to be supplied by the manufacturer   |  |               |  |  |  |  |
|       |  |  |               |  |  |  |  |



| 10.1 | Information supplied by the manufacturer shall accompany every smallest commercial available package  | Not provided by the applicant; | N/T |
|------|---|--------------------------------|-----|
| 10.2 | Information supplied by the manufacturer shall be<br>at least in the official language(s) of the country of<br>destination  | Not provided by the applicant; | N/T |
| 10.3 | The information supplied by the manufacturer shall contain all information necessary for trained and qualified persons on   | Not provided by the applicant; | N/T |
|      | <ul> <li>application/limitations</li> <li>the meaning of any colour coding</li> <li>checks prior to use</li> <li>donning, fitting</li> <li>use</li> <li>maintenance (e.g. cleaning, disinfecting), if applicable</li> <li>storage</li> <li>the meaning of any symbols/pictograms used</li> </ul>  | Not provided by the applicant; | N/T |
| 10.4 | The information shall be clear and comprehensible. If helpful, illustrations, part numbers, marking shall be added.   | Not provided by the applicant; | N/T |
| 10.5 | <ul> <li>Warning shall be given against problems likely to be</li> <li>encountered, for example:</li> <li>fit of particle filtering half mask (check prior to use)</li> <li>it is unlikely that the requirements for leakage will be achieved if facial hair passes under the face seal</li> <li>air quality (contaminants, oxygen deficiency)</li> <li>use of equipment in explosive atmosphere</li> </ul> | Not provided by the applicant; | N/T |
| 10.6 | The information shall provide recommendations as to when the particle filtering half mask shall be discarded.   | Not provided by the applicant; | N/T |
| 10.7 | For devices marked "NR", a warning shall be<br>given that the particle filtering half mask shall not<br>be used for more than one shift.  | Not provided by the applicant; | N/T |



### **Test Report**

#### TEST DATA

| Model          | YY0525  |        |        |            |   |                                  |
|----------------|---|--------|--------|------------|---|----------------------------------|
| Classification |   |        | F      | FP2        |   |                                  |
| Exercises      | E1 (%)  | E2 (%) | E3 (%) | E4 (%)     | E5 (%)  | TIL (%)                          |
|                | 8.7   | 8.7    | 8.6    | 6.7        | 8.9   | 8.3                              |
|                | 7.0   | 7.5    | 6.8    | 8.6        | 8.2   | 7.6                              |
| A.R.           | 7.5   | 6.8    | 7.3    | 6.9        | 7.1   | 7.1                              |
|                | 8.0   | 7.8    | 7.6    | 7.0        | 8.0   | 7.7                              |
|                | 8.9   | 7.6    | 7.6    | 7.4        | 7.5   | 7.8                              |
|                | 8.5   | 7.3    | 7.2    | 7.5        | 7.9   | 7.7                              |
|                | 7.5   | 8.1    | 6.8    | 7.7        | 6.9   | 7.4                              |
| T.C.           | 8.6   | 6.8    | 7.0    | 7.6        | 8.1   | 7.6                              |
|                | 7.1   | 8.4    | 6.7    | 7.4        | 7.8   | 7.5                              |
|                | 8.0   | 7.8    | 7.7    | 8.1        | 7.0   | 7.7                              |
| Requirement    | 8.07.87.7For particle filtering half masks fitted<br>in accordance with the<br>manufacturer's information, at least<br>46 outof the 50 individual exercise results<br>(i.e. 10 subjects x 5 exercises) for<br>total inward leakage shall be not<br>greater than25 % for FFP1<br>11 % for FFP2<br>5 % for FFP3 |        |        | arithmetic | t of the 10 indi<br>means for the<br>leakage<br>be not greate<br><del>22 % for FFP</del><br>8 % for FFP<br><del>2 % for FFP</del> | total inward<br>r than<br>1<br>2 |
| Result         |   | Р      |        |            | Р   |                                  |

### Table 1 – 7.9.1 Total inward leakage

| Testing Subject<br>Family name of<br>volunteer | Face Length<br>(mm) | Face Width<br>(mm) | Face Depth<br>(mm) | Mouth Width<br>(mm) |
|--|---------------------|--------------------|--------------------|---------------------|
| Luo  | 128                 | 149                | 116                | 54                  |
| Yuan   | 107                 | 125                | 110                | 52                  |
| Liang  | 119                 | 147                | 115                | 58                  |
| Chen   | 124                 | 135                | 110                | 49                  |
| Yang   | 115                 | 127                | 124                | 53                  |
| Chen   | 115                 | 139                | 119                | 55                  |
| Zeng   | 109                 | 123                | 115                | 52                  |
| Lai  | 118                 | 135                | 117                | 55                  |
| Jiang  | 119                 | 126                | 116                | 59                  |
| Feng   | 120                 | 145                | 119                | 54                  |



### Table 2 – 7.9.2 Penetration of filter material

| Model                     | YY0525                       |      |           |           |      |           |  |  |
|---------------------------|------------------------------|------|-----------|-----------|------|-----------|--|--|
| Classification            | FFP2                         |      |           |           |      |           |  |  |
| Test flow rate<br>(l/min) | 95                           |      |           |           |      |           |  |  |
| Test aerosol              | Sodium chloride Paraffin oil |      |           |           |      |           |  |  |
| Sample<br>performed       | A.R.                         | S.W. | M.S.+T.C. | A.R.      | S.W. | M.S.+T.C. |  |  |
| Measured                  | 1.4                          | 1.3  | 1.6       | 3.0       | 3.5  | 4.7       |  |  |
| Penetration               | 1.3                          | 1.3  | 1.6       | 3.4       | 3.5  | 4.1       |  |  |
| (%)                       | 1.2                          | 1.4  | 1.5       | 3.3       | 3.4  | 4.5       |  |  |
| Required (%)              | FFP2: ≤ 6                    |      |           | FFP2: ≤ 6 |      |           |  |  |
| Result                    | Р                            | Р    | Р         | Р         | Р    | Р         |  |  |

### Table 3 – 7.11 Flammability

| Condition   | Result      | Assessment |  |  |  |
|---|-------------|------------|--|--|--|
| As received   | Burn for 1s |            |  |  |  |
| Asteceiveu  | Burn for 1s | Р          |  |  |  |
| Tomporature conditioned   | Burn for 1s | Г          |  |  |  |
| Temperature conditioned   | Burn for 2s |            |  |  |  |
| Required: when tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5 s after removal from the flame. |             |            |  |  |  |



### Table 4 – 7.12 Carbon dioxide content of the inhalation air

| Model                        | YY0525  |          |          |  |  |  |  |
|------------------------------|---|----------|----------|--|--|--|--|
| Samples                      | Sample 1  | Sample 2 | Sample 3 |  |  |  |  |
| Measured CO <sub>2</sub> (%) | 0.2   | 0.3      |          |  |  |  |  |
| Average CO <sub>2</sub> (%)  | 0.3   |          |          |  |  |  |  |
| Required                     | The carbon dioxide content of the inhalation air (dead spac<br>shall not exceed an average of 1,0 % (by volume) |          |          |  |  |  |  |
| Result                       | Р   |          |          |  |  |  |  |

### Table 5 – 7.16 Breathing resistance

|                           | YY0525                          |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---------------------------|---------------------------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                           | Flow rate                       |           | 1   |     |     |     | 2   |     |     |     | 3   |     |     |     |     |     |     |
|                           |                                 |           | A   | В   | С   | D   | Е   | А   | В   | С   | D   | Е   | A   | В   | С   | D   | Е   |
| A.R Inhalatio             | Inhalation                      | 30 l/min  | 0.3 | 0.4 | 0.3 | 0.3 | 0.3 | 0.2 | 0.4 | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 |
| 7                         | Innalation                      | 95 l/min  | 1.6 | 1.5 | 1.7 | 1.6 | 1.6 | 1.5 | 1.5 | 1.6 | 1.5 | 1.6 | 1.6 | 1.7 | 1.6 | 1.6 | 1.6 |
|                           | Exhalation                      | 160 l/min | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.1 | 2.1 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
|                           |                                 |           | 4   |     |     |     |     | 5   |     |     |     | 6   |     |     |     |     |     |
|                           | Flow rate                       |           | А   | В   | с   | D   | Е   | А   | В   | С   | D   | Е   | А   | В   | с   | D   | Е   |
| S.W.                      | la halati an                    | 30 l/min  | 0.3 | 0.4 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
|                           | Inhalation                      | 95 l/min  | 1.5 | 1.7 | 1.5 | 1.6 | 1.6 | 1.5 | 1.5 | 1.6 | 1.6 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
|                           | Exhalation                      | 160 l/min | 2.1 | 2.0 | 2.0 | 2.1 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.2 | 2.2 | 2.1 | 2.0 | 2.1 | 2.1 |
|                           |                                 | <b>_</b>  |     | 7   |     |     |     | 8   |     |     |     | 9   |     |     |     |     |     |
|                           | Flow                            | rate      | А   | В   | С   | D   | Е   | А   | В   | С   | D   | Е   | А   | В   | С   | D   | Е   |
| T.C.                      |                                 | 30 l/min  | 0.3 | 0.3 | 0.3 | 0.4 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |
|                           | Inhalation                      | 95 l/min  | 1.6 | 1.6 | 1.7 | 1.7 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.7 | 1.5 | 1.7 |
|                           | Exhalation                      | 160 l/min | 2.0 | 2.1 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.1 | 2.0 | 2.1 | 2.1 | 2.2 |
| Result                    | P                               |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| A: facing directly ahead; |                                 |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| B: facing v               | B: facing vertically upwards;   |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| C: facing                 | C: facing vertically downwards; |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| D: lying or               | lying on the left side;         |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| E: lying or               | lying on the right side;        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |



### **Test Report**

#### Equipement

#### List of test equipment used:

| Serial No   | Description                                  | Model/Trade Mark | Next Calibration Date       |  |  |  |  |
|-------------|--|------------------|-----------------------------|--|--|--|--|
| ZSTE-001    | Ambient Barometer                            | DYM3             | 24 <sup>th</sup> Jun. 2021  |  |  |  |  |
| ZSTE-002    | Ambient temperature and<br>Humidity recorder | Cos-03           | 9 <sup>th</sup> Apr. 2021   |  |  |  |  |
| ZSTE-009    | Digital Pressure Gauge                       | BG80-B-21F-0N21  | 2 <sup>nd</sup> Apr. 2021   |  |  |  |  |
| ZSTE-017    | Two Row Stopwatch                            | PC2810           | 6 <sup>th</sup> Apr. 2021   |  |  |  |  |
| ZSTE-030    | Digital Data Collector                       | 34970A           | 2 <sup>nd</sup> Apr. 2021   |  |  |  |  |
| ZSTE-030.01 | 20-Channel Armature<br>Multiplexer           | 34901A           | 2 <sup>nd</sup> Apr. 2021   |  |  |  |  |
| ZSTE-070    | Pull-Push Force tester                       | NK-300           | 3 <sup>rd</sup> Apr. 2021   |  |  |  |  |
| ZSTE-082    | Digital Vernier Caliper                      | 0-200_0.01mm     | 11 <sup>th</sup> Apr. 2020  |  |  |  |  |
| ZSTE-083    | Wind Speed Meter                             | Testo416         | 19 <sup>th</sup> Jun. 2020  |  |  |  |  |
| ZSTE-108    | Electronic Scale                             | JJ224BC          | 29 <sup>th</sup> May. 2020  |  |  |  |  |
| ZSTE-115    | Graduated Cylinder                           | 100ml            | 28 <sup>th</sup> May. 2024  |  |  |  |  |
| ZSTE-122    | Beaker                                       | 500ml            | 28 <sup>th</sup> May. 2024  |  |  |  |  |
| ZSTE-140    | Weight                                       | 1kg              | 19 <sup>th</sup> Jun. 2022  |  |  |  |  |
| ZSTE-200    | Aerosol generator                            | TDA-5B           | 14 <sup>th</sup> May. 2021  |  |  |  |  |
| ZSTE-215    | Air quality analyzer                         | M2000            | 24 <sup>th</sup> June. 2021 |  |  |  |  |
| ZSTE-216    | Air quality analyzer                         | M2000            | 24 <sup>th</sup> June. 2021 |  |  |  |  |
| TSGK-T-005  | Penetration of Filter Material<br>Tester     | LSK              | 9 <sup>th</sup> Mar. 2021   |  |  |  |  |
| TSGK-T-056  | Breath Resistance Tester                     | RL 2051C         | 5 <sup>th</sup> May. 2021   |  |  |  |  |
| TSGK-T-002  | Flammability                                 | KP415            | 9 <sup>th</sup> Mar. 2021   |  |  |  |  |
| TSGK-T-045  | Leakage with Enclosure                       | RL 2001          | 5 <sup>th</sup> May. 2021   |  |  |  |  |

#### END TEST REPORT