













**Appendix 3: Summarization of Test Data**

Carbon Dioxide Content of The Inhalation Air

| Condition | Sample No. | Result |                      | Assessment |
|-----------|------------|--------|----------------------|------------|
| A.R.      | 29#        | 0.38%  | Mean value:<br>0.38% | Pass       |
|           | 30#        | 0.38%  |                      |            |
|           | 31#        | 0.39%  |                      |            |

**Clause 7.16 Breathing Resistance**

EN 149:2001+A1:2009, Clause 8.9)

| Test Requirement   |                                     |          |            | Results                    | Comment |
|--|-------------------------------------|----------|------------|----------------------------|---------|
| The breathing resistances apply to valved and valveless filtering half masks and shall meet the requirements as the following table. |                                     |          |            | Detail refer to Appendix 4 | Pass    |
| Classification   | Maximum permitted resistance (mbar) |          |            |                            |         |
|  | Inhalation                          |          | Exhalation |                            |         |
|  | 30 L/min                            | 95 L/min | 160 L/min  |                            |         |
| FFP1   | 0.6                                 | 2.1      | 3.0        |                            |         |
| FFP2   | 0.7                                 | 2.4      | 3.0        |                            |         |
| FFP3   | 1.0                                 | 3.0      | 3.0        |                            |         |

**Appendix 4: Summarization of Test Data**

| Specimen | Condition | Inhalation(mbar) |             | Exhalation resistance(mbar) |      |      |      |      |
|----------|-----------|------------------|-------------|-----------------------------|------|------|------|------|
|          |           | At 30 L/min      | At 95 L/min | At 160 L/min                |      |      |      |      |
|          |           |                  |             | A                           | B    | C    | D    | E    |
| 32#      | A.R.      | 0.43             | 1.17        | 1.75                        | 1.74 | 1.75 | 1.74 | 1.73 |
| 33#      |           | 0.42             | 1.16        | 1.74                        | 1.73 | 1.74 | 1.73 | 1.72 |
| 34#      |           | 0.42             | 1.15        | 1.74                        | 1.74 | 1.73 | 1.72 | 1.72 |
| 35#      | S.W.      | 0.42             | 1.16        | 1.74                        | 1.73 | 1.74 | 1.73 | 1.72 |
| 36#      |           | 0.43             | 1.17        | 1.76                        | 1.75 | 1.76 | 1.75 | 1.74 |
| 37#      |           | 0.43             | 1.17        | 1.75                        | 1.74 | 1.75 | 1.74 | 1.73 |
| 38#      | T.C.      | 0.39             | 1.12        | 1.69                        | 1.68 | 1.69 | 1.68 | 1.67 |
| 39#      |           | 0.40             | 1.13        | 1.69                        | 1.69 | 1.68 | 1.67 | 1.66 |
| 40#      |           | 0.39             | 1.13        | 1.68                        | 1.67 | 1.68 | 1.67 | 1.66 |
| /        | T.C.+F.C. | /                | /           | /                           | /    | /    | /    | /    |
| /        |           | /                | /           | /                           | /    | /    | /    | /    |
| /        | F.C.      | /                | /           | /                           | /    | /    | /    | /    |

A: facing directly ahead; B: facing vertically upwards; C: facing vertically downwards; D: lying on the left side; E: lying on the right side







