

## Photographic documentation



- Notes:
1. The objective of this test report is to verify the technical performance of the facepiece in the described configuration (provided with a bandana). The facepiece of this test report is a variant of a model already certified by ITALCERT. Taking into account the similarities between the two models and the previous tests carried out during the certification of the original model, the test of inward leakage has been performed with reduced sampling.
  2. Records related to traceability of the used equipment are available at ITALCERT at request.
  3. The tests in compliance with EN 149:2001+A1:2009 standard have been performed at ITALCERT laboratory.
  4. If not otherwise specified, all the values of this test Report are subject to the tolerances of the reference standard.
  5. Every information concerning the paragraphs, for example those related to the fields "Requirements" and "Test methods" everywhere in this test Report, are referred to the technical standard of which at point 2 of this Document. If it could become necessary to reference other documents, then the clear and complete references will be given.

## 4 TEST RESULTS

### 4.1 TOTAL INWARD LEAKAGE

Requirement 7.9.1

Test method 8.5

Deviations/notes Tested n° 5 samples "as received".

Notes

The inward leakage tests have been performed using the test method with sodium chloride according to paragraph 8.5 of the reference standard.

During the performing of the test the human subjects made the following exercises:

- a) Walking for 2 minutes without head movement or talking.
- b) Turning head from side to side (approx. 15 times), as if inspecting the walls of a tunnel for 2 minutes.
- c) Moving the head up and down (approx. 15 times), as if inspecting the roof and floor for 2 minutes.
- d) Reciting the alphabet or an agreed text loud as if communicating with a colleague for 2 minutes.
- e) Walking for 2 minutes without head movement or talking.

Requirements for FFP3

The total inward leakage shall be not greater than 5% for at least 46 out of 50 individual exercise results. At least 8 out of the 10 individual wearer arithmetic means for total inward leakage shall be not greater than 2%.

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The test results obtained refer exclusively to the samples submitted to examination. From this data, no declaration concerning the compliance of the series production to the test sample can be desumed. Any partial reproduction of this Document is strictly forbidden unless authorized in writing by ITALCERT.

Facial dimension (in mm) of the test subjects (EN 13274-1:2002 – fig.7)

Subject	Male/Female	Length of the face	Width of the face	Depth of the face	Width of the mouth
1	Male	84	108	135	47
2	Male	100	120	135	70
3	Female	70	99	132	45
4	Female	105	95	170	55
5	Male	115	135	160	65

Test results

Subject	ID sample	Exercise					Mean value (%)	Outcome
		a (%)	b (%)	c (%)	d (%)	e (%)		
1	1	0,0042	0,0104	0,0251	0,0091	0,0104	0,0118	PASS
2	2	0,0141	0,0185	0,0178	0,0419	0,0460	0,0277	PASS
3	3	0,1320	0,0664	0,0892	0,1075	0,1291	0,1048	PASS
4	4	0,0791	0,0923	0,1113	0,2074	0,2150	0,1410	PASS
5	5	0,0258	0,0304	0,0270	0,0312	0,0251	0,0279	PASS

Notes/Comments:

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 ITALCERT S.r.l.  
 Personal Protective Equipment  
 Department

  
 Andrea MONTESANTO

 ITALCERT S.r.l.  
 Personal Protective Equipment  
 Department

  
 Flavio BANFI

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**ITALCERT S.r.l.** - V.le Sarca, 336 - I 20126 Milano - Tel. +39.02.66104876 - Fax +39.02.66101479  
 E-mail: italcert@italcert.it - www.italcert.it - Capitale Sociale € 88.870 interamente versato  
 Registro Imprese di Milano n. Iscr. e C.F. 10598330156 - C.F./p.iva 10598330156 - REA: MILANO - 1387323