APAVE SUDEUROPE SAS, organisme notifié, identifié sous le numéro 0082
APAVE SUDEUROPE SAS, notified body, identified under number 0082

Centre d'Essais de Fontaine
17, Boulevard Paul Langevin
38600 FONTAINE - France
Tél. +33.(0)4.76.53.52.22
Fax +33.(0)4.76.53.32.40

WEINI TECHNOLOGY DEVELOPMENT CO., LTD
No2 Xingye Road
Xicheng Industrial Zone
Renhe Town
Baiyun District
GUANGZHOU 510470
China

CE TYPE EXAMINATION REPORT

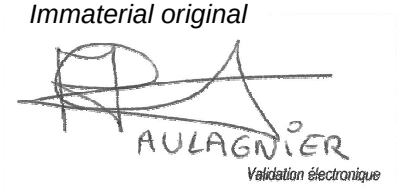
PPE DIRECTIVE 89/686/EEC – Article 10

Respiratory protective device

Report n°	**17.7.0020**
Technical referential	**EN 149:2001 + A1:2009**
Type of device	**PPE category III** **Filtering half mask to protect against particles**
Classes	**1) FFP2 NR** **2) FFP2 NR D**
Trade mark	**1) WEINI**
Models	**1) FFP2 NR 952 series** **2) FFP2 NR D 952 series**
References	**1) FFP2 NR 952** **2) FFP2 NR 952V** **3) FFP2 NR 952C** **4) FFP2 NR 952VC** **5) FFP2 NR D 952** **6) FFP2 NR D 952V** **7) FFP2 NR D 952C** **8) FFP2 NR D 952VC**

Fontaine, the 29/09/2017
Report sent for the attention of NINA Wang to the email address sales3@weini.cn
This report includes 22 pages

The PPE technical manager
Immaterial original



Summary

1.Introduction - Description of the service

This report concerns PPE category III – Filtering half mask to protect against particles as defined in EN 149:2001 + A1:2009.

Its purpose is to assess the conformity of the PPE with the European Directive 89/686/EEC of 21 December 1989 "Personal Protective Equipment" transposed into French labour code, with a view to be placed on the European market exclusively.

The examination was conducted in accordance with purchase order on 19/12/2016 placed by WEINI TECHNOLOGY DEVELOPMENT CO., LTD.

Company: WEINI TECHNOLOGY DEVELOPMENT CO., LTD – No2 Xingye Road – Xicheng Industrial Zone – Renhe Town – Baiyun District – GUANGZHOU 510470 – China

2.Use of the report

This report only concerns the equipment identified in clause 3 and described in clause 6.

Only an integral reproduction of this report is authorized.

The manufacturer, or his representative, commits himself not to use this report for equipment that is not strictly identical to the equipment covered by this report.

3.Economical operator(s)

WEINI TECHNOLOGY DEVELOPMENT CO., LTD – No2 Xingye Road – Xicheng Industrial Zone – Renhe Town – Baiyun District – GUANGZHOU 510470 – China

4.Identification of the equipment

Class: FFP2 NR
Trade mark: WEINI
Model: FFP2 NR 952 series
Reference: FFP2 NR 952
A CE type examination certificate is awarded for this equipment.

Class: FFP2 NR
Model: FFP2 NR 952 series
Reference: FFP2 NR 952V
A CE type examination certificate is awarded for this equipment.

Class: FFP2 NR
Model: FFP2 NR 952 series
Reference: FFP2 NR 952C
A CE type examination certificate is awarded for this equipment.

Class: FFP2 NR
Model: FFP2 NR 952 series
Reference: FFP2 NR 952VC
A CE type examination certificate is awarded for this equipment.

Class: FFP2 NR D
Model: FFP2 NR D 952 series
Reference: FFP2 NR D 952
A CE type examination certificate is awarded for this equipment.

Class: FFP2 NR D
Model: FFP2 NR D 952 series
Reference: FFP2 NR D 952V
A CE type examination certificate is awarded for this equipment.

Class: FFP2 NR D
Model: FFP2 NR D 952 series
Reference: FFP2 NR D 952C
A CE type examination certificate is awarded for this equipment.

Class: FFP2 NR D
Model: FFP2 NR D 952 series
Reference: FFP2 NR D 952VC
A CE type examination certificate is awarded for this equipment.

Class: FFP1 NR
Model: FFP1 NR 951 series
Reference: FFP1 NR 951
A CE type examination certificate is awarded for this equipment.

Class: FFP1 NR
Model: FFP1 NR 951 series
Reference: FFP1 NR 951V
A CE type examination certificate is awarded for this equipment.

Class: FFP1 NR
Model: FFP1 NR 951 series
Reference: FFP1 NR 951C
A CE type examination certificate is awarded for this equipment.

Class: FFP1 NR
Model: FFP1 NR 951 series
Reference: FFP1 NR 951VC
A CE type examination certificate is awarded for this equipment.

Class: FFP1 NR D
Model: FFP1 NR D 951 series
Reference: FFP1 NR D 951
A CE type examination certificate is awarded for this equipment.

Class: FFP1 NR D
Model: FFP1 NR D 951 series
Reference: FFP1 NR D 951V
A CE type examination certificate is awarded for this equipment.

Class: FFP1 NR D
Model: FFP1 NR D 951 series
Reference: FFP1 NR D 951C
A CE type examination certificate is awarded for this equipment.

Class: FFP1 NR D

Model: FFP1 NR D 951 series

Reference: FFP1 NR D 951VC

A CE type examination certificate is awarded for this equipment.

5.Conditions for use of the equipment

This filtering half mask is intended to be used as respiratory protective devices to protect against particles except for escape purposes.

6.Reference specification

The assessment of conformity with Directive 89/686/EEC of 21 December 1989 "Personal Protective Equipment" was conducted taking into account the provisions of European standard EN 149:2001 + A1:2009 "Respiratory protective device – Filtering half mask to protect against particles".

7.Description of the equipment

7.1.Drawings

Description

FFP2 NR 952
Filtering half mask to protect against particles class FFP2 NR for single use without exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner).

FFP2 NR 952V
Filtering half mask to protect against particles class FFP2 NR for single use with polypropylene and silicon exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

FFP2 NR 952C
Filtering half mask to protect against particles class FFP2 NR for single use without exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one carbon layer, one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

FFP2 NR 952VC
Filtering half mask to protect against particles class FFP2 NR for single use with polypropylene and silicon exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one carbon layer, one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

FFP2 NR D 952
Filtering half mask to protect against particles class FFP2 NR D for single use without exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostaric cotton and PP layer (outer), one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

FFP2 NR D 952V
Filtering half mask to protect against particles class FFP2 NR D for single use with polypropylene and silicon exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

FFP2 NR D 952C
Filtering half mask to protect against particles class FFP2 NR D for single use without exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one carbon layer, one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

FFP2 NR D 952VC
Filtering half mask to protect against particles class FFP2 NR D for single use with polypropylene and silicon exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one carbon layer, one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

FFP1 NR 951
Filtering half mask to protect against particles class FFP1 NR for single use without exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

FFP1 NR 951V
Filtering half mask to protect against particles class FFP1 NR for single use with polypropylene and silicon exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner),

FFP1 NR 951C
Filtering half mask to protect against particles class FFP1 NR for single use without exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one carbon layer, one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

FFP1 NR 951VC
Filtering half mask to protect against particles class FFP1 NR for single use with polypropylene and silicon exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one carbon layer, one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

FFP1 NR D 951
Filtering half mask to protect against particles class FFP1 NR D for single use without exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

FFP1 NR D 951V
Filtering half mask to protect against particles class FFP1 NR D for single use with polypropylene and silicon exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

FFP1 NR D 951C
Filtering half mask to protect against particles class FFP1 NR D for single use without exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one carbon layer, one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

FFP1 NR D 951VC
Filtering half mask to protect against particles class FFP1 NR D for single use with polypropylene and silicon exhalation valve. The half mask is equipped with polypropylene nose slide, a sponge nose pad and two polyester self-adjusting elastic head harnesses. The filtering media is composed with one electrostatic cotton and PP layer (outer), one carbon layer, one polypropylene and silicon layer, one melt blown layer and one PP nonwoven fabric layer (inner)

7.2.Description of components

Detailed description of the equipment identified in paragraph 4 in the manufacturing technical file reference WN01709 dated on 11/09/2017, received on 13/09/2017, update on 29/09/2017 and edited by WEINI TECHNOLOGY DEVELOPMENT CO., LTD.

7.3.CE Marking

× Notified body in charge of manufactured PPE category III control (article 11):

INSPEC - England

× CE mark: **CE 0194**

× Graphic of letters C and E: **Conform**

× Height of mark: **5mm**

× Marking clear and permanent: **Conform**

× Location of the marking: **Printed on the filter**

8.Correlation between the articles of Directive 89/686/EEC and the reference standard

The following table shows the correlation between the essential requirements of Directive 89/686/CEE of 21 December 1989 "Personal Protective Equipment" and the articles of the European standard EN 149:2001 + A1:2009 "Respiratory protective device – Filtering half mask to protect against particles".

Directive 89/686/EEC Annex II	**Clauses of the standard**
1.1.1	5 ; 7.8 ; 7.9
1.1.2.1	5 ; 7.8 ; 7.9
1.1.2.2	7.8 ; 7.9
1.2.1	7.6
1.2.1.1	7.6 ; 7.7 ; 7.10 ; 7.11
1.2.1.2	7.8
1.2.1.3	7.8 ; 7.13
1.3.1	7.8 ; 7.13
1.3.2	7.8 ; 7.13 ; 7.15.2
1.4	10
2.1	7.13
2.3	7.14
2.4	9 ; 10
2.6	10
2.8	10
2.9	7.13 ; 7.18
2.12	9
3.10.1	7.6 ; 7.7 ; 7.8 ; 7.9 ; 7.12 ; 7.16 ; 7.17 ; 9 ; 10

WARNING: Other requirements and other EU Directives maybe applicable to the products falling within the scope of this European Standard.

9.Examination report

9.1.Requirements

Article of the standard EN 149+A1	Content	Conformity*			Comments
		Yes	No	N-A	
Art. 7	**Requirements**				
Art 7.1	**Visual inspection** The visual inspection shall also include the marking and the information supplied by the manufacturer	✓			
Art 7.4	**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.	✓			
Art 7.5	**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. After undergoing the simulated wearing treatment none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps. Three particle filtering half masks shall be tested. When conditioned, the particle filtering half mask shall not collapse. Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.	✓			Date of test: 17/02/2017
Art 7.6	**Cleaning and disinfecting** If the particle filtering half mask is designed to be re-Usable, the materials used shall withstand the cleaning and disinfecting agents and procedures to be specified by the manufacturer." After cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class.			✓	

Article of the standard EN 149+A1	Content	Conformity*			Comments
		Yes	No	N-A	
Art 7.7	**Practical performance** The particle filtering half mask shall undergo practical performance tests under realistic conditions. These general tests serve the purpose of checking the equipment for imperfections that cannot be determined by the tests described elsewhere in this standard. Where practical performance tests show the apparatus has imperfections related to wearer's acceptance, the test houses hall provide full details of those parts of the practical performance tests which revealed these imperfections.	✓			Date of test: 23/03/2017 any imperfections determined
	Here are the comments of the test subjects:				
	a) head harness comfort	✓			No comment
	b) security of fastenings	✓			No comment
	c) field of vision	✓			No comment
	d) any other comments reported by the wearer on request	✓			No comment
Art 7.8	**Finish of parts** Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs	✓			

Article of the standard EN 149+A1	Content	Conformity* Yes	No	N-A	Comments
Art 7.9 Art 7.9.1	**Leakage** **Total inward leakage** The laboratory tests shall indicate that the particle filtering half mask can be used by the wearer to protect with high probability against the potential hazard to be expected. 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 11 % for FFP2 and, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than 8 % for FFP2	✓ ✓			Date of test: 01/06/2017 Without valve : 49 results ≤ 11% 10 averages ≤ 8% With valve : 49 results ≤ 11% 10 averages ≤ 8%

	Half mask without valve									
Conditioning	AR					TC				
Half mask tested	Simple	Carbon	Simple	Carbon	Simple	Carbon	Simple	Carbon	Simple	Carbon
Test subject reference	1	2	3	4	5	6	7	8	9	10
Walk	2,3	2,2	2,6	1,8	0,2	4,3	4,3	1,0	1,5	2,2
Left-Right	0,9	4,1	2,5	3,3	0,7	8,6	8,6	1,2	2,1	4,0
Up-Down	0,8	6,3	4,8	2,1	0,8	8,1	8,1	1,4	2,6	4,2
Alphabet	1,2	3,7	6,9	2,8	0,5	4,7	4,7	2,6	4,9	7,0
Walk	0,7	7,7	2,9	9,4	0,6	5,4	5,4	1,1	4,8	12,8
average	**1,2**	**4,8**	**3,9**	**3,9**	**0,5**	**6,2**	**6,2**	**1,5**	**3,2**	**6,1**

* Total inward leakage values in %

	Half mask with valve									
Conditioning	AR					TC				
Half mask tested	Valve Carbon	Valve	Valve Carbon	Valve	Valve Carbon	Valve	Valve Carbon	Valve	Valve Carbon	Valve
Test subject reference	11	12	13	14	15	16	17	18	19	20
Walk	1,5	2,0	3,9	4,2	5,3	0,7	0,8	3,5	2,3	3,0
Left-Right	2,0	3,2	9,9	4,6	5,5	1,4	1,2	3,1	2,8	3,4
Up-Down	3,1	3,7	12,2	4,5	5,4	6,1	1,2	2,9	4,9	4,5
Alphabet	3,9	4,0	4,3	2,6	8,3	7,3	1,7	2,6	7,8	4,3
Walk	1,8	2,8	7,1	2,5	5,6	3,9	0,9	2,8	5,0	4,6
average	**2,5**	**3,2**	**7,5**	**3,7**	**6,0**	**3,9**	**1,2**	**3,0**	**4,6**	**4,0**

* Total inward leakage values in %

Article of the standard EN 149+A1	Content	Conformity* Yes	No	N-A	Comments
Art 7.9.2	**Penetration of filter material** The penetration of the filter of the particle filtering half mask shall meet the requirements of Table1.	✓			Date of test: 28/03/2017

Tableau 1 – Penetration of filter material

Classification	Maximum penetration of test aerosol: Sodium chloride test 95 l/min % max.	Paraffin oil test 95 l/min % max.
FFP1	20	20
FFP2	6	6
FFP3	1	1

Paraffin oil penetration of filter material tests results (%)

Conditioning	AR			SWT		
Half mask tested	Simple	Simple	Carbon	Carbon	Carbon	Simple
Penetration (3min)	3,99	2,94	3,34	4,78	3,93	4,01
Half mask tested	Valve Carbon	Valve Carbon	Valve	Valve	Valve	Valve Carbon
Penetration (3min)	3,99	3,81	3,40	2,90	3,36	3,58

Conditioning	MS+TC											
Half mask tested	Simple	Simple	Simple	Carbon	Carbon	Carbon	Valve Carbon	Valve Carbon	Valve Carbon	Valve	Valve	Valve
Exposure (120mg)	3,81	4,56	4,17	4,52	4,08	4,34	5,30	5,09	5,44	5,14	4,81	4,44

Sodium chloride penetration of filter material tests results (%)

Conditioning	AR			SWT		
Half mask tested	Simple	Carbon	Carbon	Simple	Simple	Carbon
Penetration (3min)	1,52	1,60	2,10	1,75	1,57	1,83
Half mask tested	Valve Carbon	Valve	Valve	Valve Carbon	Valve Carbon	Valve
Penetration (3min)	1,02	1,60	1,20	0,99	1,65	1,48

Conditioning	MS+TC											
Half mask tested	Simple	Simple	Simple	Carbon	Carbon	Carbon	Valve Carbon	Valve Carbon	Valve Carbon	Valve	Valve	Valve
Exposure (120mg)	1,00	1,40	1,23	1,33	1,28	0,77	1,17	1,70	1,02	1,00	1,11	1,31

As Received (AR), Simulated Wearing Treatment (SWT), Mechanical Strength (MS), Temperature Conditioning (TC), Cleaning and disinfecting cycle (CLEAN)

Article of the standard EN 149+A1	Content	Conformity* Yes	No	N-A	Comments
Art 7.10	**Compatibility 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.	✓			Manufacturer statement
Art 7.11	**Flammability** The material used shall not present a danger for the wearer and shall not be of highly flammable nature. 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. The particle filtering half mask does not have to be usable after the test.	✓			Date of test: 24/02/2017 The mask doesn't burn 5s after removal from the flame
Art 7.12	**Carbon dioxide content of the inhalation air** The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 %(by volume)	✓			Date of test: 23/02/2017 CO_2 (%) Simple: 0,34 Simple Valve: 0,41 Carbon Valve: 0,34 Carbon Valve: 0,41 Carbon Valve: 0,44
Art 7.13	**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 adjustable or self-adjusting and shall be sufficiently robust to hold the particle filtering half mask firmly in position and be capable of maintaining total inward leakage requirements for the device.	✓			
Art 7.14	**Field of vision** The field of vision is acceptable if determined so in practical performance tests	✓			See Art 7.7
Art 7.15	**Exhalation valve(s)** A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations	✓			
	If an exhalation valve is provided it shall be protected against or be resistant to dirt and mechanical damage and may be shrouded or may include any other device that may be necessary for the particle filtering half mask to comply with 7.9.	✓			
	Exhalation valve(s), if fitted, shall continue to operate correctly after a continuous exhalation flow of 300 l/min over a period of 30 s.	✓			Date of test: 24/02/2017
	When the exhalation valve housing is attached to the face blank, it shall withstand axially a tensile force of 10 N applied for 10s.	✓			Date of test: 24/02/2017

Article of the standard EN 149+A1	Content	Conformity* Yes	No	N-A	Comments
Art 7.16	**Breathing resistance** The breathing resistances apply to valved and valveless particle filtering half masks and shall meet the requirements of Table 2.	✓			Date of test: 24/02/2017

Tableau 2 – Breathing resistance

Classification	Maximum permitted resistance (mbar)		
	inhalation		inhalation
	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	3	3.0

Breathing resistance tests results

Half mask without valve												
Conditioning	AR			SWT			TC					
Half mask tested	Simple	Carbon	Carbon	Simple	Simple	Carbon	Simple	Simple	Simple	Carbon	Carbon	Carbon
at 30l/min	0,30	0,33	0,29	0,34	0,31	0,31	0,34	0,34	0,33	0,33	0,29	0,32
at 95l/min	0,91	0,99	0,93	0,92	0,90	0,91	0,91	0,89	0,95	0,90	0,91	0,96
at 160l/min	1,19	1,20	1,19	1,19	1,05	1,16	1,12	1,15	1,18	1,16	1,14	1,12

Values in mbar

Half mask with valve												
Conditioning	AR			SWT			TC					
Half mask tested	Valve Carbon	Valve	Valve	Valve Carbon	Valve Carbon	Valve	Valve Carbon	Valve Carbon	Valve Carbon	Valve	Valve	Valve
at 30l/min	0,35	0,35	0,34	0,33	0,33	0,31	0,35	0,38	0,38	0,27	0,25	0,27
at 95l/min	0,99	1,03	1,03	1,00	0,98	0,94	1,08	1,10	1,14	1,04	0,92	0,84
at 160l/min	0,97	0,90	0,92	1,01	0,90	0,85	1,03	1,19	1,04	1,03	0,92	0,91

Values in mbar

Conditioning	300l/min during 30s Art 7.15		
Half mask tested	Valve	Valve	Valve Carbon
at 30l/min	0,41	0,42	0,47
at 95l/min	1,10	1,09	1,22
at 160l/min	0,92	0,72	0,82

Article of the standard EN 149+A1	Content	Conformity*			Comments
		Yes	No	N-A	
Art 7.17	**Clogging**				Date of test: 28/03/2017
Art 7.17.1	**General**				
	For single shift use devices, the clogging test is an optional test. For re-usable devices the test is mandatory. Devices designed to be resistant to clogging, shown by a slow increase of breathing resistance when loaded with dust, shall be subjected to the treatment described in 8.10. The specified breathing resistance shall not be exceeded before the required dust load of 833 mg.h/m3 is reached	✓			
Art 7.17.2	**Breathing resistance**				
Art 7.17.2.1	**Valved particle filtering half masks** After clogging the inhalation resistances shall not exceed : — FFP1 : 4 mbar ; — FFP2 : 5 mbar ; — FFP3 : 7 mbar ; at 95 l/min continuous flow The exhalation resistance shall not exceed 3 mbar at 160 l/min continuous flow	✓			After clogging test, inhalation resistances don't exceed 5mbar
Art 7.17.2.2	**Valveless particle filtering half masks** After clogging the inhalation and exhalation resistances shall not exceed : — FFP1 : 3 mbar — FFP2 : 4 mbar — FFP3 : 5 mbar ; at 95 l/min continuous flow	✓			After clogging test, inhalation and exhalation resistances don't exceed 4mbar
Art 7.17.3	**Filter penetration** All types (valved and valveless) of particle filtering half masks claimed to meet the clogging requirement shall also meet the requirements given in 7.9.2, for the Penetration test according to EN 13274-7, after the clogging treatment.	✓			After clogging test, solid and liquid particles penetration don't exceed 5,41%
Art 7.18	**Demountable parts** All demountable parts (if fitted) shall be readily connected and secured, where possible by hand.	✓			

* The measurement uncertainties are not taken into account for the assessment of conformity.

Article of the standard EN 149+A1	Content	Conformity			Comments
		Yes	No	N-A	
Art. 9	**Marking**				
Art 9.1	**Packaging** The following information shall be clearly and durably marked on the smallest commercially available packaging or legible through it if the packaging is transparent				
Art 9.1.1	The name, trademark or other means of identification of the manufacturer or supplier	✓			
Art 9.1.2	Type-identifying marking	✓			
Art 9.1.3	Classification The appropriate class (FFP1, FFP2 or FFP3) followed by a single space and then: "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D.	✓ ✓		✓	
Art 9.1.4	The number and year of publication of this European Standard	✓			
Art 9.1.5	At least the year of end of shelf life. The end of shelf life may be informed by a pictogram as shown in Figure12a, where yyyy/mm indicates the year and month.	✓			
Art 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 equivalent pictogram.	✓			
Art 9.1.7	The manufacturer's recommended conditions of storage (at least the temperature and humidity) or equivalent pictogram	✓			
Art 9.1.8	The packaging of those particle filtering half masks passing the dolomite clogging test shall be additionally marked with the letter "D". This letter shall follow the classification marking preceded by a single space.	✓			

Article of the standard EN 149+A1	Content	Conformity			Comments
		Yes	No	N-A	
Art. 9	**Marking (continuation)**				
Art 9.2	**Particle filtering half mask** Particle filtering half masks complying with this European Standard shall be clearly and durably marked with the following:				
Art 9.2.1	The name, trademark or other means of identification of the manufacturer or supplier	✓			
Art 9.2.2	Type-identifying marking	✓			
Art 9.2.3	The number and year of publication of this European Standard	✓			
Art 9.2.4	Classification The appropriate class (FFP1, FFP2 or FFP3) followed by a single space and then: "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D."	✓ ✓		✓	
Art 9.2.5	If appropriate the letter D (dolomite) in accordance with clogging performance. This letter shall follow the classification marking preceded by a single space (see 9.2.4).	✓			
Art 9.2.6	Sub-assemblies and components with considerable bearing on safety shall be marked so that they can be identified	✓			
Directive	×CE Marking (CE + Notified body) ×The marking shall be clearly, durably and permanently marked by any mean without effect on material ×Legible and visible characters	✓ ✓ ✓			

Article of the standard EN 149+A1	Content	Conformity			Comments
		Yes	No	N-A	
	*Concerning the instruction for use: Only the **English** version has been checked. It is the responsibility of the manufacturer to supply the instruction for use in the official languages of the country of destination*				
Art. 10	**Information to be supplied by the manufacturer**				
Art 10.1	Information supplied by the manufacturer shall accompany every smallest commercial available package	✓			
Art 10.2	Information supplied by the manufacturer shall be at least in the official language(s) of the country of destination	✓			
Art 10.3	The information supplied by the manufacturer shall contain all information necessary for trained and qualified persons on:				
	— application/limitations ;	✓			
	— the meaning of any colour coding ;			✓	
	— checks prior to use ;	✓			
	— donning, fitting ;	✓			
	— use ;	✓			
	— maintenance (e.g. cleaning , disinfecting),if applicable;			✓	
	— storage ;	✓			
	— the meaning of any symbols/pictogram used of the equipment	✓			
Art 10.4	The information shall be clear and comprehensible. If helpful, illustrations, part numbers, marking shall be added.	✓			
Art 10.5	Warning shall be given against problems likely to be encountered, for example:				
	— fit of particle filtering half mask (check prior to use);	✓			
	— it is unlikely that the requirements for leakage will be achieved if facial hair passes under the face seal;	✓			
	— air quality (contaminants, oxygen deficiency);	✓			
	— use of equipment in explosive atmosphere.	✓			
Art 10.6	The information shall provide recommendations as to when the particle filtering half mask shall be discarded.	✓			
Art 10.7	For devices marked "NR", a warning shall be given that the particle filtering half mask shall not be used for more than one shift.	✓			
Directive	Presence of name, address the manufacturer or supplier	✓			
	Presence of name, address and notified body number who have done CE type examination	✓			

10.Conclusion

The PPE category III – Filtering half mask to protect against particles Identified in paragraph 4 meets the basic requirements of European Directive 89/686 of 21 December 1989, "Personal Protective Equipment" relative to the design of the product examined and transposed into French law by the relevant articles of French labor code.

The assessment of conformity takes into account the compliance of the PPE with the provisions of European standard EN 149:2001 + A1:2009, and with the conformity of manufacturer's technical file.

Consequently, 16 CE type examination certificates are issued for these equipment:

Class: FFP2 NR
Trade Mark: WEINI
Model: FFP2 NR 952 series
Reference: FFP2 NR 952

Number of CE Type examination certificate: 0082/2779/079/09/17/0568

Class: FFP2 NR
Model: FFP2 NR 952 series
Reference: FFP2 NR 952V

Number of CE Type examination certificate: 0082/2779/079/09/17/0569

Class: FFP2 NR
Model: FFP2 NR 952 series
Reference: FFP2 NR 952C

Number of CE Type examination certificate: 0082/2779/079/09/17/0570

Class: FFP2 NR
Model: FFP2 NR 952 series
Reference: FFP2 NR 952VC

Number of CE Type examination certificate: 0082/2779/079/09/17/0571

Class: FFP2 NR D
Model: FFP2 NR D 952 series
Reference: FFP2 NR D 952

Number of CE Type examination certificate: 0082/2779/079/09/17/0572

Class: FFP2 NR D
Model: FFP2 NR D 952 series
Reference: FFP2 NR D 952V

Number of CE Type examination certificate: 0082/2779/079/09/17/0573

Class: FFP2 NR D
Model: FFP2 NR D 952 series
Reference: FFP2 NR D 952C

Number of CE Type examination certificate: 0082/2779/079/09/17/0574

Class: FFP2 NR D
Model: FFP2 NR D 952 series
Reference: FFP2 NR D 952VC

Number of CE Type examination certificate: 0082/2779/079/09/17/0575

Class: FFP1 NR
Trade Mark: WEINI
Model: FFP1 NR 951 series
Reference: FFP1 NR 951

Number of CE Type examination certificate: 0082/2779/079/09/17/0576

Class: FFP1 NR
Model: FFP1 NR 951 series
Reference: FFP1 NR 951V

Number of CE Type examination certificate: 0082/2779/079/09/17/0577

Class: FFP1 NR
Model: FFP1 NR 951 series
Reference: FFP1 NR 951C

Number of CE Type examination certificate: 0082/2779/079/09/17/0578

Class: FFP1 NR
Model: FFP1 NR 951 series
Reference: FFP1 NR 951VC

Number of CE Type examination certificate: 0082/0/079/09/17/0579

Class: FFP1 NR D
Model: FFP1 NR D 951 series
Reference: FFP1 NR D 951

Number of CE Type examination certificate: 0082/2779/079/09/17/0580

Class: FFP1 NR D
Model: FFP1 NR D 951 series
Reference: FFP1 NR D 951V

Number of CE Type examination certificate: 0082/2779/079/09/17/0581

Class: FFP1 NR D
Model: FFP1 NR D 951 series
Reference: FFP1 NR D 951C

Number of CE Type examination certificate: 0082/2779/079/09/17/0582

Class: FFP1 NR D
Model: FFP1 NR D 951 series
Reference: FFP1 NR D 951VC

Number of CE Type examination certificate: 0082/2779/079/09/17/0583