

# EU Type Examination Certificate

Holds Certificate Number: CE 728275

In respect of:

**Model WD-95 Face mask.**

**To technical specification Annex II (EHSR) of the PPE Regulation (EU) 2016/425.**

**PPE for use by healthcare professionals as per Commission recommendation 2020/403.**

on the basis that BSI carried out the relevant Type Examination procedures under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex V (Module B) and meets the relevant health and safety requirements specified in Annex II

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):

Previous Notified Body: BSI 0086

First Issued: 2020-05-19

Latest Issue: 2020-05-19



Drs. Dave Hagenaaers, Managing Director

Effective Date: 2020-05-19

Expiry Date: 2021-05-19

Page: 1 of 3



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# EU Type Examination Certificate

No. CE 728275

## Product Specification

**Product Name:** Partulate Respirator.  
**Product Type:** Filtering half masks for use by Healthcare professionals.  
**Model:** WD-95  
**Technical Specification:** Technical specification to satisfy Annex II of the PPE Regulation (EU) 2016/425.

**Product Description:** The respirator is non-reusable, secured to the face of the user by a pair of elasticated straps, and has no exhalation valve.

The respirator listed on this certificate is for use by healthcare workers, first responders and other personnel involved in the efforts to contain the COVID-19 virus and avoid its further spread.

The product covered by this certificate is not approved for industrial applications and the certificate is only valid as long as EU Commission recommendation sheet 2020/403 remains applicable.

**Product Assessments:** BS EN 149:2001 +A1:2009

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# EU Type Examination Certificate

No. CE 728275

## Certificate Administration Details

Technical File Reference: TF-001 Revision 1.

## Certificate Amendment Record:

Issue date	Comments	BSI Review No.
May 2020	First issue.	2797:20:3202448

## Certificate validity

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspect of the overall process utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.

The validity of the Certificate for the products is also dependent on the maintenance of the EU Conformity to Type based on Internal Production Control plus supervised product checks at random intervals, Annex VII (Module C2) as referenced on BSI issued Certificate CE 728277.

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# Conformity to Type based on Internal Production Control plus supervised product checks at random intervals

Holds Certificate Number: CE 728277

In respect of:

**For the manufacture of particulate respirators to technical specification to satisfy Annex II of the PPE Regulation (EU) 2016/425.**

on the basis that BSI carried out the supervised production checks at random intervals under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex VII (Module C2)

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):  
Previous Notified Body: BSI 0086  
First Issued: 2020-05-19  
Latest Issue: 2020-05-19

\_\_\_\_\_  
Drs. Dave Hagenhaars, Managing Director

Effective Date: 2020-05-19

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Page: 1 of 3



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# Conformity to Type based on Internal Production Control plus supervised product checks at random intervals

No. CE 728277

## Product details

The respiratory protective device covered by the scope of this Module C2 Certificate and the Technical Specification to which the product is manufactured are as follows:

<b>Product type:</b>	Particulate filtering half masks for use by Healthcare professionals.
<b>Model and classifications:</b>	WD-95 FFP2
<b>Technical Specification:</b>	Technical specification to satisfy Annex II of the PPE Regulation (EU) 2016/425. BSI's PPE for Healthcare Professionals 2020/403 – RPE Technical Specification.

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# Conformity to Type based on Internal Production Control plus supervised product checks at random intervals

No. CE 728277

## Certificate Administration Details:

### Certificate Amendment Record and BSI internal Review relating to this Certificate

Issue date	Comments	BSI Review No.
May 2020	First issue.	2797:20:3202450

## Certificate validity

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspects of the overall quality system utilized in the manufacture of the products, failure to do so could invalidate the Certificate in respect of product manufactured after the introduction of such changes.

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Latest Issue: 2020-05-19

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**Test Report** SL52035260695901TX **Date: July 06, 2020**  
 PACAL SHOES, S.L.U  
 C/SOR JOSEFA ALCORTA, 37 03204 ELCHE ALICANTE SPAIN

Page 1 of 10

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A) Disposable protective mask

Style No. : WD-95

Composition : (A) Non-woven fabric, Melt-blown fabric

Sample Color : (A) White

Manufacturer : CHANGZHOU WEDREAM MEDICAL DEVICE CO., LTD

Country of Destination : EUR

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Jun 16, 2020

Testing Period : Jun 16, 2020 - Jul 06, 2020

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

**Conclusion:**

Sample No.	Recommendation Level
(A)	FFP1 NR

Signed for and on behalf of  
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

Sara Guo (Account Executive)



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Test Result

**Personal Protective Equipment - Respiratory Protective Devices- Filtering Half Masks to Protect against Particles- Requirements, Testing, Marking**

EN 149:2001+A1:2009

**Clause 7.4 Packaging**

(EN 149:2001+A1:2009 Clause 8.2)

Test Requirement	Results	Comment
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.	Comply	Pass

**Clause 7.5 Material**

(EN 149:2001+A1:2009, Clause 8.2 & 8.3.1 & 8.3.2)

Test Requirement	Results	Comment
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.	Comply	Pass
After undergoing the conditioning described in 8.3.1 none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps.	Comply	
When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.	Comply	
Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.	Comply	

**Clause 7.6 Cleaning and Disinfecting**

(EN 149:2001+A1:2009, Clause 8.4 & 8.5 & 8.11)

Test Requirement	Results	Comment
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. With reference to 7.9.2, after cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class.	Not applicable (Not designed to be re-usable)	N.A.

**Clause 7.7 Practical Performance**

(EN 149:2001+A1:2009, Clause 8.4)

Test Requirement	Results	Comment
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.	No imperfections	Pass

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**Clause 7.8 Finish of Parts**

(EN 149:2001+A1:2009, Clause 8.2)

Test Requirement	Results	Comment
Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.	No sharp edges or burrs	Pass

**Clause 7.9.1 Total Inward Leakage**

(EN 149:2001+A1:2009, Clause 8.5)

Test Requirement	Results	Comment
The total inward leakage consists of three components: face seal leakage, exhalation value leakage(if exhalation value 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: 25% for FFP1, 11% for FFP2, 5% for FFP3  and, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than: 22% for FFP1, 8% for FFP2, 2% for FFP3	Detail refer to Appendix 1	Meet FFP1

**Appendix 1: Summarization of Test Data**

**Inward Leakage Test Data**

Subject	Sample No.	Condition	Walk(%)	Head Side/side(%)	Head up/down(%)	Talk(%)	Walk(%)	Mean(%)
Zhou	1	A.R.	10.41	11.56	12.77	13.45	11.80	12.00
Luo	2	A.R.	13.25	13.18	12.79	13.60	12.38	13.04
Lu	3	A.R.	13.77	11.35	11.25	12.83	11.91	12.22
Wang	4	A.R.	10.60	11.36	11.69	10.49	12.25	11.28
Bao	5	A.R.	14.11	13.78	13.48	12.30	11.52	13.04
Ding	6	T.C.	13.28	12.36	10.84	12.26	10.79	11.91
Li	7	T.C.	14.25	12.13	12.06	14.65	14.68	13.55
Chen	8	T.C.	12.33	12.75	10.96	10.89	12.16	11.82
Song	9	T.C.	13.34	12.97	13.29	13.00	11.76	12.87
Ye	10	T.C.	13.84	13.90	12.97	14.08	12.63	13.48

**Facial Dimension(mm)**

Subject	Face length	Face Width	Face Depth	Mouth Width
Chen	125	150	120	58
Lu	115	132	107	48
Zhou	115	135	106	52
Li	125	130	107	46
Luo	125	136	100	43
Zheng	128	140	112	55
Wang	120	147	103	48
Song	120	140	100	50
Bao	130	134	104	50
Ding	134	150	110	52

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Liu	120	135	117	50
Ye	126	137	105	52

**Clause 7.9.2 Penetration of Filter Material**

(EN 149:2001+A1:2009, Clause 8.11 & EN 13274-7:2019)

Test Requirement			Results	Comment
The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table.			Detail refer to Appendix 2	Meet FFP1 Meet FFP2 Meet FFP3
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		

**Appendix 2: Summarization of Test Data**

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)
Sodium chloride test	As received	1	0.360
		2	0.316
		3	0.337
	Simulated wearing treatment	4	0.398
		5	0.421
		6	0.432
	Mechanical strength +Temperature conditioned	7	0.392
		8	0.417
		9	0.445
Paraffin oil test	As received	10	0.526
		11	0.686
		12	0.573
	Simulated wearing treatment	13	0.624
		14	0.645
		15	0.592
	Mechanical strength +Temperature conditioned	16	0.920
		17	0.837
		18	0.876

Flow conditioning : Single filter: 95.0 L/min



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**Clause 7.10 Compatibility with Skin**

(EN 149:2001+A1:2009, Clause 8.4 & 8.5)

Test Requirement	Results	Comment
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	Pass

**Clause 7.11 Flammability**

(EN 149:2001+A1:2009, Clause 8.6)

Test Requirement	Results	Comment
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.	Detail refer to Appendix 3	Pass

**Appendix 3: Summarization of Test Data**

Flammability

Condition	Sample No.	Result
As received	1	NIL
	2	NIL
Temperature conditioned	3	NIL
	4	NIL

**Clause 7.12 Carbon Dioxide Content of The Inhalation Air**

(EN 149:2001+A1:2009, Clause 8.7)

Test Requirement	Results	Comment
The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume)	Detail refer to Appendix 4	Pass

**Appendix 4: Summarization of Test Data**

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result(%)
As received	1	0.4759
	2	0.4762
	3	0.4765
		Mean value:0.48

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**Clause 7.13 Head Harness**

(EN 149:2001+A1:2009, Clause 8.4 & 8.5)

Test Requirement	Results	Comment
The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.	Comply	Pass
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.	Comply	

**Clause 7.14 Field of Vision**

(EN 149:2001+A1:2009, Clause 8.4)

Test Requirement	Results	Comment
The field of vision is acceptable if determined so in practical performance tests.	Comply	Pass

**Clause 7.15 Exhalation Valve(s)**

(EN 149:2001+A1:2009, Clause 8.2 & 8.9.1 & 8.3.4 & 8.8)

Test Requirement	Results	Comment
(a) A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.	Not applicable due to No exhalation valve	N.A.
(b) 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.	Not applicable due to No exhalation valve	
(c) 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.	Not applicable due to No exhalation valve	
(d) When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10N applied for 10 s.	Not applicable due to No exhalation valve	



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**Clause 7.16 Breathing Resistance**  
(EN 149:2001+A1:2009, Clause 8.9)

Test Requirement				Results	Comment
The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table.				Detail refer to Appendix 5	Meet FFP1, Meet FFP2, Meet FFP3
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 5: Summarization of Test Data**

Breathing resistance (mbar)

As received	Flow rate(l/min)	1					2					3					
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
		Inhalation	30	0.3	0.3	0.3	0.2	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3
	95	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.9	0.8	0.8	0.9	0.9	0.9
Exhalation	160	2.0	2.2	2.2	2.1	2.0	2.1	2.1	2.0	2.0	2.1	2.0	2.1	2.1	2.2	2.1	2.1
Simulated wearing treatment	Flow rate(l/min)	4					5					6					
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
		Inhalation	30	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4
	95	1.1	1.1	1.0	1.1	1.1	1.0	1.1	1.2	1.0	1.3	1.0	1.2	1.1	1.1	1.2	
Exhalation	160	2.4	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.3	2.4	
Temperature conditioned	Flow rate(l/min)	7					8					9					
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
		Inhalation	30	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.3
	95	0.8	0.8	0.9	0.7	0.8	0.8	0.7	0.9	0.8	0.8	0.8	0.7	0.9	0.9	0.8	
Exhalation	160	2.1	2.0	2.1	2.1	2.0	2.2	2.0	1.9	2.0	1.9	1.9	2.0	2.0	1.9	2.0	

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



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**Clause 7.17 Clogging**

(EN 149:2001+A1:2009, Clause 8.9 & 8.10)

Test Requirement	Results	Comment																			
<p><b>Clause 7.17.2 Breathing resistance</b>  <b>Valved particle filtering half masks:</b>                      After clogging the inhalation resistances shall not exceed:                      FFP1: 4 mbar, FFP2: 5 mbar, FFP3: 7 mbar at 95L/min continuous flow                      The exhalation resistance shall not exceed 3 mbar at 160 L/min continuous flow.</p> <p><b>Valveless particle filtering half masks:</b>                      After clogging the inhalation and exhalation resistances shall not exceed:                      FFP1: 3 mbar, FFP2: 4 mbar, FFP3: 5 mbar at 95L/min continuous flow</p>	Optional for single shift device only	N.A.																			
<p><b>Clause 7.17.3 Penetration of filter material</b>                      All types (valved and valveless) of particle filtering half masks claimed to meet the clogging requirement shall also meet the requirements.</p> <table border="1"> <thead> <tr> <th rowspan="3">Classification</th> <th colspan="2">Maximum penetration of test aerosol</th> </tr> <tr> <th>Sodium chloride test 95 l/min</th> <th>Paraffin oil test 95 l/min</th> </tr> <tr> <th>%</th> <th>%</th> </tr> </thead> <tbody> <tr> <td></td> <td>max.</td> <td>max.</td> </tr> <tr> <td>FFP1</td> <td>20</td> <td>20</td> </tr> <tr> <td>FFP2</td> <td>6</td> <td>6</td> </tr> <tr> <td>FFP3</td> <td>1</td> <td>1</td> </tr> </tbody> </table>	Classification	Maximum penetration of test aerosol		Sodium chloride test 95 l/min	Paraffin oil test 95 l/min	%	%		max.	max.	FFP1	20	20	FFP2	6	6	FFP3	1	1	Optional for single shift device only	N.A.
Classification		Maximum penetration of test aerosol																			
		Sodium chloride test 95 l/min	Paraffin oil test 95 l/min																		
	%	%																			
	max.	max.																			
FFP1	20	20																			
FFP2	6	6																			
FFP3	1	1																			

**Clause 7.18 Demountable Parts**

(EN 149:2001+A1:2009, Clause 8.2)

Test Requirement	Results	Comment
All demountable parts (if fitted) shall be readily connected and secured, where possible by hand	Comply	Pass



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SGS-CSI Standards Technical Services (Shanghai) Co., Ltd.  
Testing Center-Technical Services (Shanghai) Co., Ltd.

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The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

\*\*\*End of Report\*\*\*



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PACAL SHOES, S.L.U  
C/SOR JOSEFA ALCORTA, 37 03204 ELCHE ALICANTE SPAIN

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A) Disposable protective mask

Style No. : WD-95

Composition : Non-woven fabric, Melt-blown fabric

Sample Color : (A) white

Manufacturer : CHANGZHOU WEDREAM MEDICAL DEVICE CO., LTD

Country of Destination : EUR

Previous No. : SL52035260695901TX

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Jul 15, 2020

Testing Period : Jul 16, 2020 - Jul 27, 2020

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Based on the results of the tests reported and the previous report SL52035260695901TX issued on Jul 06, 2020, our Lab concluded that the recommendation level can be as below.

Sample No.	Recommendation Level
(A)	FFP2 NR

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

Sara Guo (Account Executive)



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Test Result

**Personal Protective Equipment - Respiratory Protective Devices- Filtering Half Masks to Protect against Particles- Requirements, Testing, Marking**

EN 149:2001+A1:2009

**Clause 7.4 Packaging**

(EN 149:2001+A1:2009 Clause 8.2)

Test Requirement	Results	Comment
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.	Comply	Pass

**Clause 7.7 Practical Performance**

(EN 149:2001+A1:2009, Clause 8.4)

Test Requirement	Results	Comment
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.	No imperfections	Pass

**Clause 7.8 Finish of Parts**

(EN 149:2001+A1:2009, Clause 8.2)

Test Requirement	Results	Comment
Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.	No sharp edges or burrs	Pass



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**Clause 7.9.1 Total Inward Leakage**

(EN 149:2001+A1:2009, Clause 8.5)

Test Requirement	Results	Comment
<p>The total inward leakage consists of three components: face seal leakage, exhalation value leakage(if exhalation value 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: 25% for FFP1, 11% for FFP2, 5% for FFP3</p> <p>and, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than: 22% for FFP1, 8% for FFP2, 2% for FFP3</p>	Detail refer to Appendix 1	Meet FFP1, Meet FFP2

**Appendix 1: Summarization of Test Data**

**Inward Leakage Test Data**

Subject	Sample No.	Condition	Walk(%)	Head Side/side(%)	Head up/down(%)	Talk(%)	Walk(%)	Mean(%)
Zhou	1	A.R.	5.88	4.47	6.94	5.88	7.05	6.04
Luo	2	A.R.	7.74	6.75	6.20	8.36	6.10	7.03
Lu	3	A.R.	6.29	4.07	6.84	6.73	6.23	6.03
Wang	4	A.R.	4.56	6.18	5.12	4.71	5.40	5.19
Bao	5	A.R.	6.74	7.75	6.20	8.36	6.10	7.03
Ding	6	T.C.	5.56	4.63	5.96	5.66	5.89	5.54
Li	7	T.C.	7.26	7.30	7.18	7.92	7.14	7.36
Chen	8	T.C.	7.13	6.94	4.88	4.39	5.08	5.68
Song	9	T.C.	6.18	7.42	5.98	7.41	6.17	6.63
Ye	10	T.C.	7.78	7.30	7.14	7.01	7.72	7.39

**Facial Dimension(mm)**

Subject	Face length	Face Width	Face Depth	Mouth Width
Chen	125	150	120	58
Lu	115	132	107	48
Zhou	115	135	106	52
Li	125	130	107	46
Luo	125	136	100	43
Zheng	128	140	112	55
Wang	120	147	103	48
Song	120	140	100	50
Bao	130	134	104	50
Ding	134	150	110	52
Liu	120	135	117	50
Ye	126	137	105	52

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**Clause 7.13 Head Harness**

(EN 149:2001+A1:2009, Clause 8.4 & 8.5)

Test Requirement	Results	Comment
The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.	Comply	Pass
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.	Comply	

**Clause 7.14 Field of Vision**

(EN 149:2001+A1:2009, Clause 8.4)

Test Requirement	Results	Comment
The field of vision is acceptable if determined so in practical performance tests.	Comply	Pass

**Clause 7.18 Demountable Parts**

(EN 149:2001+A1:2009, Clause 8.2)

Test Requirement	Results	Comment
All demountable parts (if fitted) shall be readily connected and secured, where possible by hand	Comply	Pass

Test	Uncertainty
Total inward leakage	3.4%
Penetration of filter material	4.8%
Carbon dioxide content of the inhalation air	3.9%
Breathing resistance (30L/min)	5.9%
Breathing resistance (95L/min)	4.9%
Breathing resistance (160L/min)	4.3%



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Analytical Report Nr.

AR-20-YL-005224-01-EN

Sample code Nr.

560-2020-00005829

Date

07/09/2020

## ANALYTICAL REPORT

### Client Information

---

PACAL SHOES, S.L.U.  
Sor Josefa Alcorta N°37  
Elche ESPAÑA

beatrizdelrey@paredes.es

For the attention of Beatriz Del Rey

### Sample Information

---

**Order Code:** EUAA70-00008028  
**Reception Date:** 3-Sep-2020  
**Analysis Starting Date:** 3-Sep-2020  
**Analysis Ending Date:** 4-Sep-2020  
**Sample described as:** Mascarillas/ Masks

### Information provided by the customer:

---

**Client Reference:** Mascarilla FFP2 Paredes  
**Sample Description:**  
**Customer requirements:** No requirements  
**Purchase Order Number:**

---

**Decision rule** Not applicable.

**Analytical Report Nr.**

AR-20-YL-005224-01-EN

**Sample code Nr.**

560-2020-00005829

**Date**

07/09/2020

## SAMPLE PICTURE



Analytical Report Nr.

AR-20-YL-005224-01-EN

Sample code Nr.

560-2020-00005829

Date

07/09/2020

**CONCLUSION:**

TEST PROPERTY	PASS	FAIL	REMARKS
<b>Identification of Polymers by (FTIR)</b> Internal Method based on FTIR, Spectrophotometry (FT-IR)			
RAW PRODUCT			REFER RESULT

**Remark:** Test has been performed as per application request



**Analytical Report Nr.**

AR-20-YL-005224-01-EN

**Sample code Nr.**

560-2020-00005829

**Date**

07/09/2020

**COMPONENT LIST:**

COMPONENT ID	COMPONENT NAME	MATERIAL DESCRIPTION	COLOR	REMARKS
RAW PRODUCT		Mascarilla/Mask	Blanco White	---

Analytical Report Nr.

AR-20-YL-005224-01-EN

Sample code Nr.

560-2020-00005829

Date

07/09/2020

PHYSICAL TESTS

CAS No.

RESULTS

UNC.

LOQ

GUIDELINES

---

**Analyses on:RAW PRODUCT**◆ **Identification of Polymers by (FTIR)**

Analysis Ending Date: 04/09/2020

Internal Method based on FTIR, Spectrophotometry (FT-IR)

Type of polymer

-

Layer 1, 2 and 4: Polypropylene

Layer 3: Polyethylene

Remark:

No traces of PVC, Silicone and Latex are observed.

**Analytical Report Nr.**

AR-20-YL-005224-01-EN

**Sample code Nr.**

560-2020-00005829

**Date**

07/09/2020

**Signed for and on behalf of Eurofins Textile Testing Spain:**

Report electronically validated by

**Axel Ferrando**

Physical-Mechanical Lab Manager

---

**EXPLANATORY NOTE**

---

- ◆ Test not covered by ENAC accreditation scope
  - Test is subcontracted within Eurofins group and is accredited
  - Test is subcontracted within Eurofins group and is not accredited
  - Test is subcontracted outside Eurofins group and is accredited
  - Test is subcontracted outside Eurofins group and is not accredited
- N/A = Not Applicable

---

Eurofins General Sales Terms and Conditions applied.

Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report.

Test uncertainties not reported are at customer disposal.

If you happen to have any comments, please do it by sending email to [textile\\_spain@eurofins.com](mailto:textile_spain@eurofins.com) and referring to this report number.

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**End Of Report**

**Código de Informe de Ensayo:** AR-20-YL-005224-01-ES  
**Código de muestra** 560-2020-00005829  
**Fecha de emisión** 07/09/2020

## INFORME DE ENSAYO

### Información del cliente

---

PACAL SHOES, S.L.U.  
Sor Josefa Alcorta N°37  
Elche ESPAÑA

beatrizdelrey@paredes.es

A la atención de Beatriz Del Rey

### Información de la muestra

---

**Código de la orden:** EUAA70-00008028  
**Fecha de recepción de la muestra:** 3-Sep-2020  
**Fecha de inicio de análisis:** 3-Sep-2020  
**Fecha fin de análisis:** 4-Sep-2020  
**Descripción de la muestra:** Mascarillas/ Masks

### Información suministrada por el cliente:

---

**Referencia de cliente:** Mascarilla FFP2 Paredes  
**Descripción de la muestra:**  
**Requerimientos del cliente:** Sin requisitos  
**Guía de remisión:**

---

**Regla de decisión** No aplicable.



**Código de Informe de Ensayo:**

AR-20-YL-005224-01-ES

**Código de muestra**

560-2020-00005829

**Fecha de emisión**

07/09/2020

## FOTOGRAFÍA DE LA MUESTRA



**Código de Informe de Ensayo:** AR-20-YL-005224-01-ES  
**Código de muestra** 560-2020-00005829  
**Fecha de emisión** 07/09/2020

**CONCLUSIÓN:**

ENSAYO	CUMPLE	NO CUMPLE	OBSERVACIONES
<b>Identificación de polímeros (FTIR)</b> Método interno IRFT, Espectrofotometría (FT-IR)			
RAW PRODUCT			VER RESULTADOS

**Observación:** Los ensayos se realizaron según la solicitud del cliente

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**LISTA DE COMPONENTES:**

ID DEL COMPONENTE	NOMBRE DEL COMPONENTE	DESCRIPCIÓN DEL MATERIAL	COLOR	OBSERVACIONES
RAW PRODUCT		Mascarilla/Mask	Blanco White	---

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ENSAYOS FÍSICOS	CAS No.	RESULTADOS	INC.	LOQ	LÍMITES
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## Análisis sobre:RAW PRODUCT

### ◆ Identificación de polímeros (FTIR)

Fecha fin de análisis: 04/09/2020

Método interno IRFT, Espectrofotometría (FT-IR)

Tipo de polímero

Capa 1, 2 y 4: Polipropileno

Capa 3: Polietileno

Nota:

No se observan restos de PVC, Silicona y de Latex.



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Firmado en representación de Eurofins Textile Testing Spain:



Informe validado electrónicamente por

**Axel Ferrando**

Responsable Laboratorio Físico/Mecánico

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### Nota aclaratoria

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- ◆ Ensayo no amparado por la acreditación ENAC
- Test subcontratado dentro del grupo Eurofins y está acreditado
- Test subcontratado dentro del grupo Eurofins y no está acreditado
- Test subcontratado fuera del grupo Eurofins y está acreditado
- Test subcontratado fuera del grupo Eurofins y no está acreditado

N/A = No Aplica

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Se han aplicado los términos y condiciones generales de venta de Eurofins.

Los resultados obtenidos refieren solamente a las muestras, productos o materiales recibidos en el laboratorio, descritos en el apartado descripción de muestras y fueron ensayados en las condiciones descritas en el presente informe.

Las incertidumbres de ensayo no indicadas en este informe están a disposición del cliente.

Si desea hacer cualquier comentario contacte con nosotros a través de la siguiente dirección de correo electrónico **textile\_spain@eurofins.com** indicando este número de informe.

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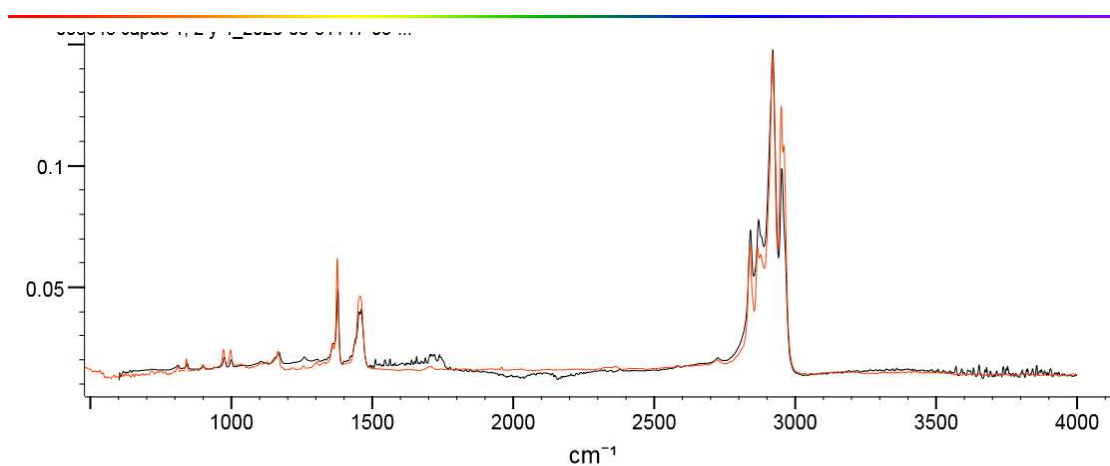
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**FIN DEL INFORME**

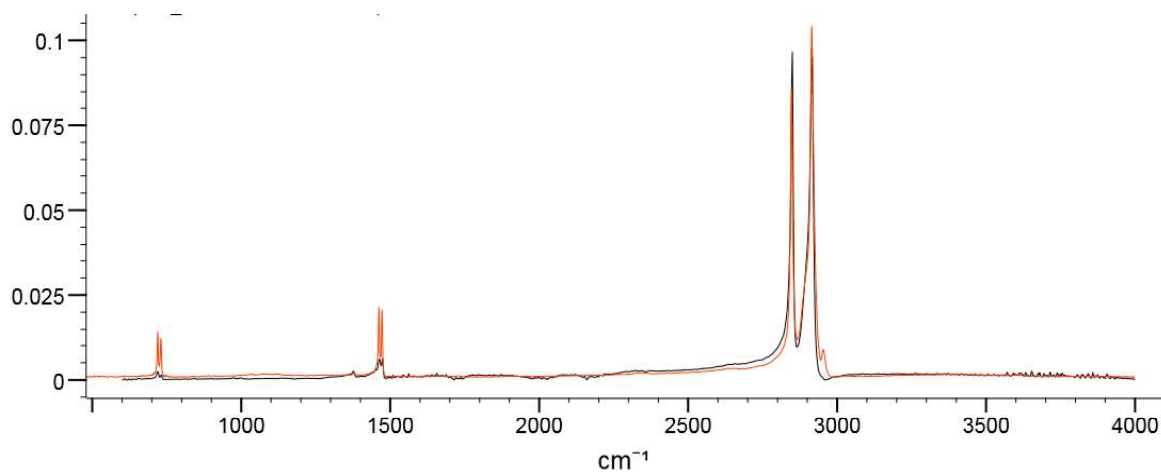
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## Gráfica Identificación de polímeros (FTIR) / Graphic Identification of Polymers by (FTIR)

### Capa 1,2 y 4 / Layer 1,2 and 4



### Capa 3 / Layer 3





\*\*\*End of Report\*\*\*



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