

Job No./Report No: 20-004526

Date: 19/05/2020

Client: Bagami S.L.

Code: CL-0475

Address: C/ Resseguidora 50, 1ª planta Mataró Barcelona ESPAÑA

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The following sample was (were) submitted and identified by the client as:

Job no Report No.:	20-004526
Receiving Date:	05/05/2020
Test Start Date:	05/05/2020
Test End Date:	19/05/2020
Sample description:	MASK

Serie :

Batch No.:

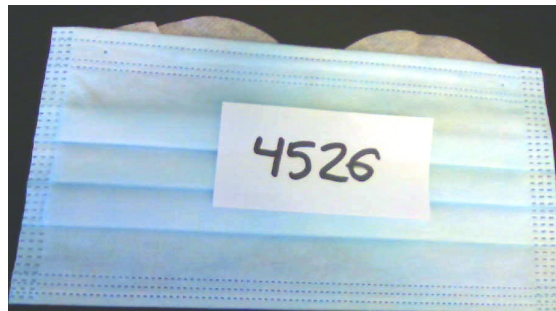
Reference No.: **MASCARILLA NO REUTILIZABLE**

Composition indicated: **unknown**

SUMMARY OF TEST CONCLUSIONS

SOP description	Conclusions
SOP 342- Bacterial Filtration Efficiency (BFE)	Pass
SOP106 - Determination of breathability (Differential Pressure) - Original	Pass

Sample Tested



- The laboratory is not responsible for the information received by the client (grey shaded fields)
- Reported results do not include uncertainties (but are available for the customer).
- Opinions and interpretations expressed herein are outside the scope of accreditation.
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SOP 342- Bacterial Filtration Efficiency (BFE)

ID	ID AMSLab	Description	Conclusion
2	S-200505-00014	MAIN FABRIC LIGHT BLUE (ORIGINAL)	Pass

	CAS	S-200505-00014
Test 1: Bacterial Filtration Efficiency		95.3
Test 1: Number of Bacteria		121
Test 2: Bacterial Filtration Efficiency		95.4
Test 2: Number of Bacteria		120
Test 3: Bacterial Filtration Efficiency		95.5
Test 3: Number of Bacteria		117
Test 4: Bacterial Filtration Efficiency		95.8
Test 4: Number of Bacteria		109
Test 5: Bacterial Filtration Efficiency		96.2
Test 5: Number of Bacteria		100

Notes:

Test Metod Ref: TS EN 14683:2019 Medical Face Masks, Requirements and Test Methods

Specification

- UNE 0064-1 and 0064-2: > 95%

Report unit Bacterial Filtration Efficiency = %

Report unit Number of Bacteria = cfu/mL

A specimen of the mask material is clamped between a impactor and an aerosol chamber. An aerosol of Staphylococcus aureus is introduced into the aerosol chamber and drawn through the mask material and the impactor under vacuum. The bacterial filtration efficiency of the mask is given by the number of colony forming units passing through the medical face mask material expressed as a percentage of the number of colony forming units present in the challenge aerosol.

Test Flow Rate: 28,3 L/min

Test Flow Time: 2 minute

Sample Sizes: 5 pieces mask

Microorganism: Staphylococcus aureus ATCC 6538

Bacterial concentration (cfu/ml) : 5x10E5 cfu/ml

Incubation conditions: 24 hour, 35C ± 2C

Positive control sample average of number of Bacteria (C): 2.6x10E3 cfu/ml

(*) Test subcontracted. Results in subcontracted report number: 20014627

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SOP106 - Determination of breathability (Differential Pressure) - Original

ID	ID AMSLab	Description	Conclusion
1	S-200505-00013	MAIN FABRIC LIGHT BLUE (ORIGINAL)	Pass

	CAS	S-200505-00013
Average Differential pressure (Pa/cm2)		42
Value 1 Differential pressure (Pa/cm2)		39
Value 2 Differential pressure (Pa/cm2)		44
Value 3 Differential pressure (Pa/cm2)		42
Value 4 Differential pressure (Pa/cm2)		44
Value 5 Differential pressure (Pa/cm2)		41

Notes:

Note 1: Applied standard UNE-EN 14683:2019 and Specification UNE 0064-1, 0064-2 and 0065

Note 2: Size of test specimen: 4.9 cm²

Note 3: Tested area of the test specimen: 2.5 cm

Note 4: Flow of air: (8 ± 0.2) l/min

Note 5: Velocity of 272 l/m²/s or 272 mm/s

Note 6: Report Unit: Pa and P (Pa/cm²)

Note 7: Number of samples tested: 5 / Number of measurements: 5

Note 8: Conditioned samples: 4 hours at 21 ± 5 °C and 85 ± 5 HR

Note 9: n.a. = not applicable

Requirement by standard:

- Non-reusable Hygienic Mask by UNE 0064-1-2: < 60 Pa/cm²

- Reusable Hygienic Mask by UNE 0065: < 60 Pa/cm²

Specific Notes:

(**) The result is out of specifications


Issue Date: 19/05/2020

Signed: Manuel Lolo



General Manager

Signed: Pablo Perez



Chemical Lab Manager

Signed: Esteban Ramirez



Physical Lab Manager

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