



EKOTEKS
TEXTILE LABORATORY

**EKOTEKS LABORATUVAR ve GÖZETİM
HİZMETLERİ A.Ş.**

Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar
İstanbul/ TÜRKİYE

20012721

05-20

TEST REPORT
DENEY RAPORU

Customer name: PLATİN MODA TASARIM TEKSTİL SANAYİ VE DIŞ TİCARET
LİMİTED ŞİRKETİ

Address: ÇOBANÇEŞME MAH. SELVİ SOK. NO: 3/31 BAHÇELİEVLER
İSTANBUL / TÜRKİYE

Buyer name: SERTİFİKA OFİSİ

Contact Person: KÜBRA ERUZUN

Order No: -

Article No: SURGICAL FACE MASK (FM/05)

Name and identity of test item: One sample of white mask.

The date of receipt of test item: 20.05.2020

Re-submitted/re-confirmation date: -

Date of test: 20.05.2020

Remarks: -

Sampling: The results given in this report belong to the received sample by vendor.

End-Use: Women/Man/Mask

Care Label: FRESH MASK

Number of pages of the report: 3

Date
20.05.2020

Customer Representative
Selvan YURTSEVEN

Head of Testing Laboratory
Sevinç RAZAK 11.05.2020

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REQUIRED TESTS	RESULT	COMMENTS
MICROBIOLOGICAL TESTS		
Bacterial Filtration Efficacy	P	Tip II
P:Pass F:Fail R:Refer to Tecnologist Requirements given by the vendor. Test results were evaluated according to EN 14683:2019+AC:2019 Annex-B/Table- 1)limit values		

REMARK: Original samples are kept for 3 months and all technical records are kept for 5 years unless otherwise specified.If requested, measurement uncertainty will be reported. But unless otherwise specified, measurement uncertainty is not considered while stating compliance with specification or limit values The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95 %. Tests marked (*) in this report are not included in the accreditation schedule.

Gen.f136-2/03



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TEST RESULTS

BACTERIAL FILTRATION EFFICIENCY (BFE)

Test Metod: EKOTEKS 70 (In-House Method-Bacterial Filtration Efficiency Testing –BFE /Ref: EN 14683:2019+AC:2019 Annex B Medical Face Masks, Requirements and Test Methods (*))

A specimen of the mask material is clamped between an 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 piece mask
Microorganism	<i>Staphylococcus aureus</i> ATCC 6538
Bacterial concentration (cfu/ ml)	5x10 ⁵ cfu/ ml
incubation conditions	24 hour, 35°C ± 2°C
Positive control sample average of number of Bacteria (C)	1.6x10 ³ cfu/ ml

Gen.fl136-2/02

RESULTS			
Number of Test Sample	Test Sample (T) Number of Bacteria (cfu/ml)	Bacterial Filtration Efficiency (% B)	Requirement BFE (%)
1	20	%98.8	Type I ≥95 Type II ≥98
2	19	%98.8	
3	21	%98.7	
4	22	%98.6	
5	25	%98.4	

cfu: Colony-forming unit

$$B = (C - T) / C \times 100$$

%B: Bacterial Filtration Efficiency

C: is the mean of the total plate counts for the two positive control runs

T: is the total plate count for the test specimen