



Bangladesh

Test Report No. BD/T(A)/20/022319

Dated: 2020-09-27

Applicant : **TIMES HEALTH CARE LTD.**
House-32, Road-1/A, Block-J, Baidhara, Dhaka1212, Bangladesh

Attention : Mr. Sayed Raihan Kabir

Test Sample : Received on 2020-09-15 7:54 PM

Test Period : 2020-09-15 to 2020-09-27

Sample Description : Fifty (50) Pieces 3 PLY Surgical Mask

Color : Blue

Fiber Content : /

Previous report number : BD/T(A)/20/020349

Lot No./Batch No. : THCL 00001, THCL 00002, THCL 00003

Testing Standard Followed : Test parameters recommended by the working group on 28th April 2020 meeting at DGDA office on PPE/Mask Testing.

Country Of Origin : Bangladesh

Name of the Buyer / Destination : **SELF REFERENCE**

Note: 1. the submitted samples are Not Drawn by the Laboratory

Sample Photo



By accepting this document the customer hereby agrees and accepts the 'Terms & Conditions' and the relevant 'Testing & Certification Regulations' of TÜV SÜD South Asia Pvt. Ltd. which are available at Company's website at the link-<https://www.tuv-sud.com.bd/bd-en/resource-centre/terms-and-conditions>

Note: The test report is electronically generated. Hence original signature is not required.

Note : (1) The results relate only to the items tested, (2) The test report shall not be reproduced except in full without the written approval of the laboratory,

(3) For details of the accredited scope, please contact laboratory or accreditation body website.

(4) Unless otherwise agreed upon, PASS or FAIL verdicts are given based on the measured values without any considerations of measurement uncertainties. Every test method has a measurement uncertainty which has been evaluated by the laboratory and are available on request. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL"

Laboratory:
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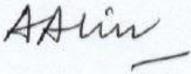
Regd. Office:
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Uttara Model Town,
Dhaka - 1230, Bangladesh

Summary of Results

Sl. No.	Tests	Test Method	Specification	Observation	Conclusion
1.	Bacterial filtration efficiency (BFE)	(EN 14683:2019+AC:2019(E) Annex B)	≥ 98%	98.14%	PASS

Remark: Above test parameters are suggested for surgical mask (recommended by the working group on 28th April 2020 meeting at DGDA office on PPE/Mask Testing). In this report selective test been conducted on the submitted sample requested by the applicant/manufacturer.

Sign for and on behalf of
TÜV SÜD Bangladesh (Pvt.) Ltd.



Abdul Alim
Authorized signatory

Please Contact:

For any technical issues: Abdul Alim at Abdul.Alim@tuv-sud.com.bd

For any complaint: Md Kamruzzaman. at kamruz.zaman@tuv-sud.com.bd.

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Test Result(s):

1. Bacterial Filtration Efficiency: (EN 14683:2019+AC:2019(E) Annex B)#								
Test Condition: Test Organism Used: Staphylococcus aureus ATCC 6538, Inoculum Size: 5×10^5 CFU/ml, Media Used: Tryptic soya agar, Dilution Medium Used: Peptone water, Incubation Period: $37 \pm 2^\circ\text{C}$ for 48 hrs, Area of test Specimen: 10 X 10 cm, Sample Exposure Side: Face Side, Flow Rate: 28.3 L/min, Mean particle size of challenge aerosol: 3.0 ± 0.3 micron								
Observations:								
Plate No. Stage No.	Positive control before CFU/Plate	Positive control After CFU/Plate	Negative Control CFU/Plate	Mask 1 CFU/Plate	Mask 2 CFU/Plate	Mask 3 CFU/Plate	Mask 4 CFU/Plate	Mask 5 CFU/Plate
1	53	51	0	0	0	0	0	0
2	51	56	0	0	0	0	0	0
3	201	179	0	0	0	0	0	0
4	772	721	0	4	3	4	3	4
5	921	766	0	21	26	22	22	22
6	644	670	0	18	21	23	25	18
Total of 6 Plate	2642	2443	0	43	50	49	50	44
Average CFU	2542		-					
% Bacterial filtration efficiency test result				98.30	98.03	98.07	98.03	98.26
Mean of % Bacterial filtration efficiency test results				98.14				
Requirement				>=98%				
Conclusion				Pass				
Note: The test requirement is taken as per EN 14683:2019+AC:2019 Type IIR								

Remarks: #The identified tests are performed in our ISO 17025 accredited laboratory.
 Disclaimer: This report is for internal use only such as internal scientific research, education, quality control, product R & D

===== END OF REPORT =====

Test Report No. BD/T(A)/20/020349 P1**Dated: 2020-09-23**

Applicant : **TIMES HEALTH CARE LTD.**
House-32, Road-1/A, Block-J, Baridhara,
Dhaka-1212, Bangladesh

Attention : Mr. Zahidul Hasan Saikat

Test Sample : Received on 2020-08-25 12:03 PM

Test Period : From 2020-08-25 to 2020-09-14

Sample Description : Sample A: 3 Ply Surgical Mask

Color : Blue

Manufacture Name : Times Health Care Ltd.

Sample Quantity : Forty five (45)

Batch No. : THCL 00001, THCL 00002, THCL 00003.

Country Of Origin : Bangladesh

Name of the Buyer / Destination : /

Testing Standard Followed : **Test parameters recommended by the working group on 28th April 2020 meeting at DGDA office on PPE/Mask Testing.**

Note: 1. the submitted samples are Not Drawn by the Laboratory

2. Requested tests are performed

Sample Photo

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Summary of Results

Sl. No.	Tests	Test Method	Specification	Observation	Conclusion
1.	Synthetic blood penetration (Splash resistance test)	ASTM F1862/F1862M - 17 (120 mm/Hg)	No visible penetration of synthetic blood at the end of test period. 29 masks out of 32 masks should pass the test to quality this parameter.	32 Specimens are Passing out of 32 Specimens	Pass

Remark: Above test parameters are suggested for surgical mask (recommended by the working group on 28th April 2020 meeting at DGDA office on PPE/Mask Testing). All the test parameters were conducted on the surgical mask submitted by the applicant's/manufacturer.

NR- Not Requested

This report is splitted to the other test as requested by the applicant

Authorized By

Abdul Alim
(Authorised Signatory)

Please Contact:

For any technical issues: Abdul Alim at Abdul.Alim@tuv-sud.com.bd

For any Complaint: Md Kamruzzaman. at kamruz.zaman@tuv-sud.com.bd.



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Test Report No. BD/T(A)/20/020349 P1
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Test Result(s):

1. Synthetic blood penetration (Splash resistance test): (ASTM F1862/F1862M - 17)#									
Test Condition: Fluid Pressure: 120 mmHg, Fluid velocity: 550cm/s									
Observations:									
Specimens	:	1	2	3	4	5	6	7	8
Test Results	:	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Specimens	:	9	10	11	12	13	14	15	16
Test Results	:	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Specimens	:	17	18	19	20	21	22	23	24
Test Results	:	Pass	Pass	Fail	Pass	Pass	Pass	Pass	Pass
Specimens	:	25	26	27	28	29	30	31	32
Test Results	:	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Final Test Result	:	32 Specimens are Passing out of 32 Specimens							
Requirement	:	Minimum 29 specimens pass out of 32 specimens tested							
Conclusion	:	PASS							
Note: The test requirement is taken as per ASTM F2100 - 19, Level 2 Barrier									

Remarks:

- # The identified tests are performed in our ISO 17025 accredited laboratory.
- Disclaimer: This report is for internal use only such as internal scientific research, education, quality control, product R & D

===== END OF REPORT =====