



ACCREDITATION CERTIFICATE

Issued under the authority of Bangladesh Accreditation Act, 2006
by Bangladesh Accreditation Board (BAB), Ministry of Industries to

ITS Labtest Bangladesh Ltd.

Kabirpur, Kabirpur (1349)

Ashulia/Savar, Dhaka, Bangladesh

This is to certify that this
Testing Laboratory

is accredited in accordance with the international standard
ISO/IEC 17025:2017

in respect of the associated scope, subject to the terms and
conditions governing the relevant conformity assessment
body (CAB) accreditation.

Certificate Number : **01.060.21**
Accreditation Date : **24 March 2021**
Date of Issuance : **24 March 2021**
Date of Expiration : **23 March 2024**




Md. Monwarul Islam
Director General

This certificate must be returned on request; reproduction must follow BAB guidelines. For the specific scopes to which this accreditation applies, please refer to the Directory of CABs at BAB website.

ACCREDITATION SCHEME

(For Testing Laboratory)

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 Kabirpur, Kabirpur (1349), Ashulia/Savar, Dhaka, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017 **Accreditation Date:** 24 March 2021

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Last Amended on: NA **Valid until:** 23 March 2024

Amendment no: NA


S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
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Field: Chemical Tests

01	A. Face Mask	Formaldehyde	ISO 14184-1: 2011	5 to 5000 mg/kg MDL: 0.05 mg/L
02	A. Face Mask	Domestic washing and drying (Number of Wash – 5)	ISO 6330: 2012 AATCC 150-2018t ISO 5077 : 2007e ISO 3759 : 2011e	- 50% to 50%
03	A. Face Mask	Resistance of material to penetration by liquid	EN ISO 6530: 2005	0.1 % – 100%
04	A. Protective Gown; B. Face Mask	pH Value	ISO 3071: 2020	0.1 to 14

Field: Mechanical Tests

01	A. Mask- Respirator B. Mask- protective devices	Respiratory protective devices — Filtering half masks to protect against particles — Requirements, testing, marking, clogging	EN 149:2001+A1:2009 cl - 8.2/ 8.4/ 8.5/ 8.9.1/ 9/ 10/7.17/8.8/8.10 GB 2626 6.11/6.12 BS EN 13274-4: 2019 BS EN 13274-5-2001	Qualitative
02	A. Mask- Respirator B. Mask- protective devices	Total inward leakage	EN 149:2001+A1:2009 cl -8.5 GB 2626 cl-6.4 BS EN 13274-1: 2001 ASTM F 3407: 2020 ASTM F 3502-21 (8.3)	0.1% - 100%
03	A. Mask- Respirator	Penetration of filter material	EN 149:2001+A1:2009 cl - 8.11	0.1% - 100%



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	B. Mask- protective devices		GB 2626 cl- 6.3 TEB-APR-STP-0059-508: 2019 EN 13274-7: 2019 ASTM F 3502-21 (8.1)	
04	A. Mask- Respirator B. Mask- protective devices	Carbon dioxide content of the inhalation air/ Dead Space	EN 149:2001+A1:2009 cl - 7.12/8.7 GB 2626 cl-6.9 BS EN 13274-1: 2001	0.1% - 50%
05	A. Mask- Respirator B. Mask- protective devices	Breathing Performance	EN 149:2001+A1:2009 cl - 7.16/8.9 GB 2626 cl- 6.5 and 6.6 TEB-APR-STP-0007-508: 2019 TEB-APR-STP-0003-508: 2019 EN 13274-3 : 2001 ASTM F 3502-21 (8.2)	0.1Pa – 2000Pa
06	A. Mask- Respirator B. Mask- protective devices	Exhalation valve pull	EN 149 8.2 /8.8 GB 2626 6.8	1 N- 4.5 kN
07	A. Mask- Respirator B. Mask- protective devices	Valve Leak Test	TEB-APR-STP-0004-508: 2019	0.1 ml/min - 100 ml/min
08	A. Gown & Drapes- Surgical	Lint Generation	ISO 9073 part 10: 2003	0.3 µm to 25 µm
09	A. Gown & Drapes- Surgical	Evaporative resistance	ASTM F1868 Part B: 17 ISO 11092 : 2014	0 m2.Pa /W to 650 m2.Pa /W


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10	A. Gown & Drapes- Surgical	Evaluation of Liquid Penetration/Test Under Hydrostatic Pressure	EN ISO 811: 2018	1 mbar – 7000 mbar
11	Gown & Drapes- Surgical	Bursting Strength- Dry/Wet	EN ISO 13938-1: 2018	70 kPa to 1240 kPa
12	A. Gown- Protective clothing Type 3,4,6 Paints	Synthetic Blood Penetration Test (for surgical drapes), Level 4	ASTM F1670/ F1670M: 17a ISO 16603, Level - 3/4/5/6: 2004	Qualitative
13	A. Protective Gown	Flex Cracking Resistance Cycles	EN ISO 7854, method B: 1995	Qualitative
14	A. Protective Gown	Resistance to penetration by liquids (Jet Spray)	EN ISO 17491-3: 2008" for Type 3 or EN ISO 17491-4: 2008" for Type 4	0.1 -200 m2
15	A. Protective Gown	Gown- Protective Gown	EN 12941: 1998/A2: 2008	Qualitative
16	A. Protective Gown	Visor: Field of and distortion of vision	EN 14605: 2005/A1: 2009	Qualitative
17	A. Protective Clothing Type 3,4,6; B. Protective Gown Type PB 6	Performance Requirements For Whole Suit	EN 13034: 2005/A1: 2009 4.1/ 5.1 EN ISO 13688: 2013	Qualitative
18	A. Gown- Surgical; B. Gown- Protective Gown (Types	Tensile Strength	ASTM D5034-09 (2017) EN ISO 13934-1: 2013 EN 13034: 2005/A1: 2009 EN 29073-3: 1992	1 N- 4.5 kN


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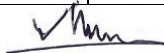
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	PB [3] and PB [4]; C. Gown- Protective Gown Type PB 6; D. Gown- Protective clothing Type 3,4,6			
19	A. Gown- Surgical Gowns; B. Protective Clothing Type 3,4,6; C. Protective Gown (Types PB [3] and PB [4]); D. Protective Gown Type PB 6	Seam Strength	ASTM D751-19 ASTM D 1683/ D1683M- 17 (2018) EN 14325:2018 EN ISO 13935-2: 2014 EN 13034:2005+A1:2009 cl 4.2	10 N- 2.0 kN Up to 10 mm
20	A. Gown- Surgical; B. Gown- Protective	Water Impact Penetration (Level 1, 2,3)	AATCC 42: 2017	0.01 gm to 50 gm
21	A. Gown- Surgical; B. Gown- Protective	Water Hydrostatic Pressure (Level 2, 3)	AATCC 127: 2017 (2018)	1.0 mm.H2O to 50000 mm.H2O
22	A. Gown- Protective Clothing Type 3,4,6; B. Protective Gown (Types PB [3] and PB	Abrasion Resistance	ISO 12947-2: 2016 EN 530: 2010	1-1,00,000 Cycles, Grade 1-5 Wt loss 0.001 g to 10



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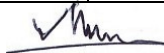
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	[4]); C. Protective Gown Type PB 6			g
23	A. Gown- Protective Clothing Type 3,4,6; B. Protective Gown (Types PB [3] and PB [4]); C. Protective Gown Type PB 6	Puncture Resistance	EN 863: 1996	1 N- 4.5 kN
24	A. Gown- Protective Clothing Type 3,4,6; B. Protective Gown (Types PB [3] and PB [4]); C. Protective Gown Type PB 6; D. Gown- Surgical	Trapezoidal Tear Resistance	EN ISO 9073-4: 1997 ASTM D5587-15 (2019) ASTM D5733-99	1 N- 4.5 kN
25	A. Mask- Surgical B. Mask- Respiratory protective devices; C. Gown- Protective Clothing Type 3,4,6	Flammability	16 CFR Part 1610 EN 13274-4 method 3: 2001 EN 149:2001+A1:2009 cl -7.11/ 8.6.	1 to 99 sec




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26	A. Mask- Surgical	Breathability/Differential Pressure	EN 14683 - ANNEX C: 2019 ASTM F2100: 2020	0.1Pa – 200 Pa
27	Mask- Surgical	Sub-Micron Particulate Filtration	ASTM F2299/ F2299M - 03 (2017) ISO 21083-1: 2018	0.1 % to 99.99 %
28	A. Mask- Surgical	Resistance to Penetration by synthetic Blood	ASTM F 1862/ F1862: 2017 ISO 22609: 2004	Qualitative
Field: Microbiological Tests				
01	A. Mask- Surgical	Bacterial filtration efficiency (BFE)	EN 14683 Annex B: 2019 ASTM F2101: 2019 ASTM F2100: 2020	0.1 % to 99.99 %
02	A. Surgical Gown; B. Surgical Mask	Microbial Cleanliness	ISO 11737-1: 2018	1 CFU/100cm ² to 10000 CFU/100cm ²
03	A. Gown & Drapes- Surgical B. Protective clothing Type 3,4,6	Microbial penetration – Wet/ Resistance to penetration by infective agents	ISO 22610: 2018	0.1 % to 99.99 %
04	A. Gown & Drapes- Surgical B. Protective clothing Type 3,4,6	Microbial penetration – Dry/ Resistance to penetration by biologically contaminant dust	ISO 22612: 2005	1 CFU/20cm ² to 300 CFU/20cm ²
05	A. Gown- Protective clothing Type	Resistance to penetration by biologically contaminated aerosols	ISO/DIS 22611 : 2003	1-300


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	3,4,6			
06	A. Mask B. Gown	Antibacterial Finishes on textile materials	AATCC 100: 2019 AATCC 147: 2011 (2016e)	0 % to 100 %
07	A. Gown	Resistance of protective clothing materials to penetration by blood-borne pathogens	ISO 16604, Level - 3/4/5/6: 2004 ASTM F 1671: 2013	Qualitative

END


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