



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)

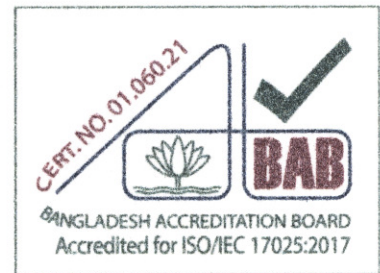
Ashulia/Savar, Dhaka, Bangladesh

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)

CAB Name & Address: ITS Labtest Bangladesh Ltd.
 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	0.1% - 100%
03	A. Mask-Respirator B. Mask-	Penetration of filter material	EN 149:2001+A1:2009 cl - 8.11 GB 2626 cl- 6.3	0.1% - 100%



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	protective devices		TEB-APR-STP-0059-508: 2019 EN 13274-7: 2019	
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	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
10	A. Gown & Drapes-	Evaluation of Liquid Penetration/Test Under Hydrostatic Pressure	EN ISO 811: 2018	1 mbar – 7000 mbar


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	Surgical			
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 PB [3] and PB [4]);	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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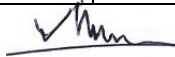
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	C. Gown- Protective Gown Type PB 6; D. Gown- Protective clothing Type 3,4,6			
19	A. Gown- Surgical Gowns; B. Protective Clothing Type 3,4,6; C. Protective Gown (Types PB [3] and PB [4]); D. Protective Gown Type PB 6	Seam Strength	ASTM D751-19 ASTM 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 [4]); C. Protective	Abrasion Resistance	ISO 12947-2: 2016 EN 530: 2010	1-1,00,000 Cycles, Grade 1-5 Wt loss 0.001 g to 10 g


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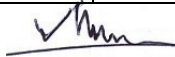
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	Gown Type PB 6			
23	A. Gown-Protective Clothing Type 3,4,6; B. Protective Gown (Types PB [3] and PB [4]); C. Protective Gown Type PB 6	Puncture Resistance	EN 863: 1996	1 N- 4.5 kN
24	A. Gown-Protective Clothing Type 3,4,6; B. Protective Gown (Types 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
26	A. Mask-	Breathability/Differential	EN 14683 - ANNEX C:	0.1Pa – 200



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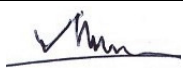
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	Surgical	Pressure	2019 ASTM F2100: 2020	Pa
27	Mask- Surgical	Sub-Micron Particulate Filtration	ASTM F2299/ F2299M - 03 (2017) ISO 21083-1: 2018	0.1 % to 99.99 %
28	A. Mask- Surgical	Resistance to Penetration by synthetic Blood	ASTM F 1862/ F1862: 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 3,4,6	Resistance to penetration by biologically contaminated aerosols	ISO/DIS 22611 : 2003	1-300


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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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