



# ACCREDITATION CERTIFICATE

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

**ITS Labtest Bangladesh Ltd., Gazipur Laboratory**

**Hayder Tower, CS Plot No # 33, RS Plot No # 46, JL-86**

**Gazipur-1704, Bangladesh**

This is to certify that this

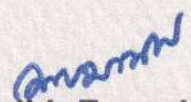
## **Testing Laboratory**

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 : **01.059.20**  
Accreditation Date : **22 September 2020**  
Date of Issuance : **12 October 2023**  
Date of Expiration : **21 September 2026**



  
**Sheikh Faezul Amin**  
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.



## SCOPE OF ACCREDITATION

(For Testing Laboratory)

**CAB Name & Address:** ITS Labtest Bangladesh Ltd. Gazipur  
Haider Tower, House No-668, Choydana, Ward No-34, Gazipur City Corporation, Gazipur-1704, Bangladesh.

**Accreditation Standard:** ISO/IEC 17025:2017

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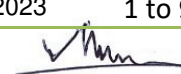
**Amendment no:** 01

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| S.N.                                     | Products/<br>Materials/<br>Items of test | Type of tests performed                                                | Specifications/ Standard<br>test methods/Techniques<br>used                                                                                                                                                                                                                                | Range of<br>testing/Limit of<br>detection |
|------------------------------------------|------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>FIELD: CHEMICAL TESTS</b>             |                                          |                                                                        |                                                                                                                                                                                                                                                                                            |                                           |
| <b>I. TEXTILE (WOVEN &amp; NONWOVEN)</b> |                                          |                                                                        |                                                                                                                                                                                                                                                                                            |                                           |
| 01                                       | Textile, Garment<br>& Accessories        | Colour Fastness to Washing<br>and Laundering                           | BS EN ISO 105 C06-2010<br>ISO 105 C06-2010<br>ISO 105 C08-2010<br>BS EN ISO 105 C10-2007<br>ISO 105 C10-2006<br>DIN EN ISO 105 C06-2010<br>AATCC TM61-2013e2(2020)                                                                                                                         | Grade: 1-5<br>±0.5 grade                  |
| 02                                       | Textile, Garment<br>& Accessories        | Colour Fastness to<br>Rubbing/ Crocking                                | BS EN ISO 105 X12-2016<br>ISO 105 X12-2016<br>DIN EN ISO 105 X12-2016<br>AATCC TM8-2016e(2022)e                                                                                                                                                                                            | Grade: 1-5<br>±0.5 grade                  |
| 03                                       | Textile, Garment<br>& Accessories        | Colour Fastness to<br>Perspiration                                     | BS EN ISO 105 E04-2013<br>ISO 105 E04-2013<br>DIN EN ISO 105 E04: 2013<br>AATCC TM15-2021e                                                                                                                                                                                                 | Grade: 1-5<br>±0.5 grade                  |
| 04                                       | Textile, Garment<br>& Accessories        | Colour Fastness to Dry<br>Cleaning                                     | BS EN ISO 105 D01-2010<br>ISO 105 D01-2010<br>DIN EN ISO 105 D01-2010<br>AATCC TM132-2004e3(2013)<br>e3                                                                                                                                                                                    | Grade: 1-5<br>±0.5 grade                  |
| 05                                       | Textile &<br>Garment                     | Fiber Composition<br>(Composition in weight %)<br>Fiber Identification | ISO 1833:<br>Part- 1,2,3,12,18:2020,<br>5,8:2006, 6,20:2018,<br>Part-9,10,12,13,14,16,17,<br>21:2019<br>Part-4,7,11: 2017<br>BS EN ISO 1833:<br>Part- 1,2,3,12,17,18:2020,<br>5,8:2010,<br>Part-6,9,10,13,14,16,20,<br>21:2019<br>Part-4,7,11:2017<br>AATCC TM 20A-2021<br>AATCC TM20-2021 | 0.5 to 100%                               |
| 06                                       | Textile, Garment                         | Flammability of General                                                | 16 CFR PART 1610- 2023                                                                                                                                                                                                                                                                     | 1 to 99 sec                               |

  
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| S.N.                                          | Products/<br>Materials/<br>Items of test                            | Type of tests performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Specifications/ Standard<br>test methods/Techniques<br>used                                                                          | Range of<br>testing/Limit of<br>detection |
|-----------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 07                                            | & Accessories<br>Textile, Garment<br>& Accessories                  | clothing textiles<br>pH Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ASTM D1230-22a<br>BS EN ISO 3071-2020<br>AATCC TM81-2022<br>GB/T 7573-2009                                                           | 0 to 14                                   |
| <b>II. HAZARDOUS AND RESTRICTED CHEMICALS</b> |                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                      |                                           |
| 08                                            | Textile &<br>Textile<br>Products<br>Paints<br>Prints                | Determination of free,<br>released and total<br>Formaldehyde content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | BS EN ISO 14184-1:2011<br>BS EN ISO 14184-2:2011<br>AATCC TM112-2020<br>JIS L 1041-2011<br>GB/T 2912.1-2009                          | 5 to 5000 mg/kg<br>MDL: 0.05 mg/L         |
| 09                                            | Leather<br>Products                                                 | Estimation of Chromium (VI)<br>Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | BS EN ISO 17075-1:2017                                                                                                               | 3 to 500 mg/kg<br>MDL: 0.002 mg/L         |
| 10                                            | • Textile<br>• Fabric,<br>• Garment<br>and<br>• Leather<br>Products | Banned aryl amines from Azo<br>dyes<br>[o-Toluidine (95-53-4);<br>2-Methoxyaniline (90-04-0);<br>p-Chloroaniline (106-47-8);<br>p-Kresidine (120-71-8);<br>2,4,5-Trimethylaniline(137-17-7);<br>4-Chloro-o-Toluidine (95-69-2);<br>2,4-Toluylenediamine (95-80-7);<br>2,4-Diaminoanisol (615-05-4);<br>2-Naphthylamine (91-59-8);<br>2-Amino-4Nitrotoluene (99-55-8);<br>4-Aminodiphenyle (92-67-1);<br>4,4'-Oxydianiline (101-80-4);<br>Benzidine (92-87-5);<br>4,4'-Diaminodiphenylmethane (101-77-9);<br>o-Aminoazotoluene (97-56-3);<br>3,3'-Dimethyl-4,4'-<br>Diaminodiphenylmethane (838-88-0);<br>3,3'Dimethylbenzidine (119-93-7);<br>4,4'-Thiodianiline (139-65-1);<br>3,3'Dichlorobenzidine (91-94-1);<br>4,4'-Methylene-bis-(2-Chloroaniline)<br>(101-14-4);<br>3,3'-Dimethoxybenzidine (119-90-4);<br>2,4-Xylidine (95-68-1);<br>2,6-Xylidine (87-62-7);<br>P-Aminoazobenzene (60-09-3);<br>4-chloro-o-toluidinium chloride(3165-93-3) ;<br>2-Naphtylhammoniu macetate (553-00-4) ; | BS EN ISO 14362 part-1-2017<br>BS EN ISO 14362 part-3-2017<br>BS EN ISO 17234-1: 2020<br>BS EN ISO 17234-2: 2011<br>GB/T 19942- 2019 | 5 to 1000 mg/kg<br>MDL:<br>1 mg/L         |

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|--------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|                                |                                          | 4-methoxy-m-phenylene diammonium<br>sulphate(39156-41-7) ;<br>2,4,5-trimethylaniline<br>hydrochloride (21436-97-5) ;<br>Aniline (62-53-3) |                                                                                                                                                                              |                                               |
| <b>FIELD: MECHANICAL TESTS</b> |                                          |                                                                                                                                           |                                                                                                                                                                              |                                               |
| <b>I.TEXTILE MATERIALS</b>     |                                          |                                                                                                                                           |                                                                                                                                                                              |                                               |
| 11                             | Textile,<br>Garments &<br>Accessories    | Tensile Strength &<br>Elongation- Strip Method                                                                                            | BS EN ISO 13934 -1 - 2013<br>EN ISO 13934 -1 -2013<br>ISO 13934 -1 -2013<br>ASTM D 5035 -11 (R2019)                                                                          | 10 N- 4500 N<br>(2.2 -1011 lbs)<br>1% to 100% |
|                                |                                          | Tensile Strength &<br>Elongation- Grab Method                                                                                             | BS EN ISO 13934- 2 -2014<br>EN ISO 13934- 2 -2014<br>ISO 13934- 2-2014<br>ASTM D 5034-2021                                                                                   | 10 N- 4500 N<br>1% to 100%                    |
| 12                             | Textile, Garment<br>& Accessories        | Tear Strength-<br>Elmendorf                                                                                                               | BS EN ISO 13937-1-2000<br>EN ISO 13937-1-2000<br>ISO 13937-1:2000<br>ASTM D 1424 -2021                                                                                       | 1.6 N-115 N<br>(0.35-25.3 lbs)                |
|                                |                                          | Tear Strength-<br>Tensile                                                                                                                 | BS EN ISO 13937-2 -2000<br>EN ISO 13937-2 -2000<br>ISO 13937-2 :2000<br>BS EN ISO 13937-3-2000<br>EN ISO 13937-3-2000<br>ISO 13937-3 :2000<br>ASTM D 2261-2013 (R2017)<br>e1 | 10 N- 4500 N<br>(1.12 -1011 lbs)              |
| 13                             | Textile,<br>Garment &<br>Accessories     | Bursting Strength- Pneumatic                                                                                                              | BS EN ISO 13938 –2-2019<br>EN ISO 13938 –2-2019<br>ISO 13938 –2-2019<br>ASTM D3786/D 3786 M-2018                                                                             | 70 kPa to 1240<br>kPa<br>(10 to 180 psi)      |
| 14                             | Textile &<br>Garment                     | Dimensional stability to<br>washing                                                                                                       | BS EN ISO 6330-2021<br>ISO 6330-2021                                                                                                                                         | - 50% to 50%                                  |
|                                |                                          |                                                                                                                                           | BS EN ISO 5077-2008<br>EN ISO 5077-2008<br>ISO 5077-2007<br>BS EN ISO 3759-2011<br>ISO 3759-2011<br>AATCC TM135-2018t                                                        |                                               |

  
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|------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------|-------------------------------------------|
|      |                                                                                                                                 |                                     | AATCC TM150-2018t                                           |                                           |
| 15   | Carpet and Rugs, Coated fabrics, Fabrics (Woven and Non-Woven), Protective Textiles, Others (Tent & tent accessories, Hammocks) | Flammability Test                   | CPAI-84 & SOR/ 2016-185;<br>CAN/CGSB-182.1-2020             | 0-305mm                                   |
| 16   | Carpet and Rugs, Coated fabrics, Fabrics (Woven and Non-Woven), Protective Textiles                                             | Thickness Test                      | ASTM D1777- 96, R2019;<br>ISO 5084: 1986;                   | 0-10 mm                                   |
| 17   | Carpet and Rugs, Coated fabrics, Fabrics (Woven and Non-Woven), Protective Textiles, Others (Tent & tent accessories)           | Moisture content Test               | ASTM D2654 - 22;<br>AATCC TM 195-<br>( 2011e2(2017)e5       | 0.1% - 50%                                |
| 18   | Fabrics (Woven and Non-Woven), Medical Textiles, Protective Textiles, Others (Gown, Drape)                                      | Water Resistance Impact Penetration | AATCC TM42: 2017                                            | 0.01 gm to 50 gm                          |
| 19   | Fabrics (Woven                                                                                                                  | Water Hydrostatic Pressure          | AATCC TM127-2017(2018)e;                                    | 1.0 mm.H <sub>2</sub> O to                |

  
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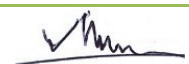
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|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
|                                      | and Non-<br>Woven),<br>Medical<br>Textiles,<br>Protective<br>Textiles, Others<br>(Gown, Drape)                                    |                                                | EN ISO 811: 2018;                                                                                                                        | 70000<br>mm.H <sub>2</sub> O<br><br>or<br>0 – 7000 mbar                                                            |
| 20                                   | Fabrics (Woven<br>and Non-<br>Woven),<br>Medical<br>Textiles,<br>Protective<br>Textiles, Others<br>(Sleeping Bags,<br>Insulators) | Evaporative resistance /<br>Thermal Resistance | ASTM F1868 -23;<br>ASTM D1518-14<br>ISO 11092: 2014                                                                                      | 0 m <sup>2</sup> .Pa /W to 650<br>m <sup>2</sup> .Pa/W;<br><br>0 m <sup>2</sup> . K/W to 1<br>m <sup>2</sup> . K/W |
| 21                                   | Others (Tent &<br>tent<br>accessories,<br>Metals,<br>Fiberglass)                                                                  | Hardness Test                                  | ASTM E18 – 22                                                                                                                            | HRB 20 to 100<br>HRC 20 to 70                                                                                      |
| <b>II. Toys and Similar Products</b> |                                                                                                                                   |                                                |                                                                                                                                          |                                                                                                                    |
| 22                                   | Toys-Magnet,<br>Toy having<br>Magnet                                                                                              | Magnet Safety                                  | BS EN 71-1:2014+A1,<br>(Clause 8.34 & 8.35):2018<br>ISO 8124-1 (Clause 5.31 &<br>5.32):2022<br>16 CFR 1262<br>ASTM F963-23 (Clause 8.25) | 0- 3000 kG <sup>2</sup> mm <sup>2</sup>                                                                            |
| 23                                   | Solid & Soft<br>Toys, Textile<br>Fabrics,<br>Disguise<br>Costume,<br>Enterable toys,                                              | Safety of toys -<br>Flammability               | BS EN 71-2:2020<br>ISO 8124-2:2023<br>16 CFR 1500.44<br>ASTM F963-23 (Annex A5 &<br>A6)                                                  | 1 – 600 mm                                                                                                         |

  
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|------|------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|      | Toys to be worn<br>on the head                                               |                         |                                                                                                                                    |                                           |
| 24   | Toys and Toy<br>Components                                                   | Small Part test         | BS EN 71-1:2014+A1 (Clause<br>8.2):2018<br>ISO 8124-1 (Clause<br>5.2):2022<br>16 CFR 1501<br>ASTM F 963 (Clause:<br>4.6):2023      | Qualitative                               |
| 25   | Toys and Toy<br>Components,<br>Toys with<br>Glass, Metal &<br>Rigid Material | Sharp Edge Test         | BS EN 71-1:2014+A1;<br>(Clause 8.11):2018<br>ISO 8124-1, (Clause<br>5.8):2022<br>16 CFR 1500.49<br>ASTM F 963 (Clause<br>4.7):2023 | Qualitative                               |
| 26   | Toys and Toy<br>Components,<br>Toys with<br>Glass, Metal &<br>Rigid Material | Sharp Point test        | BS EN 71-1:2014+A1,<br>(Clause 8.12):2018<br>ISO 8124-1, (Clause<br>5.9):2022<br>16 CFR 1500.48<br>ASTM F 963 (Clause<br>4.9):2023 | Qualitative                               |
| 27   | Toys and Toy<br>Components,<br>Toys with<br>Glass, Metal &<br>Rigid Material | Torque Test             | BS EN 71-1:2014+A1 (Clause<br>8.3):2018<br>ISO 8124-1 (Clause:5.24.5):<br>2022<br>ASTM F 963 (Clause<br>8.8):2023                  | Qualitative                               |
| 28   | Toys and Toy<br>Components,<br>Toys with                                     | Tension Test            | BS EN 71-1:2014+A1,<br>(Clause 8.4.2.1 &                                                                                           | Qualitative                               |

  
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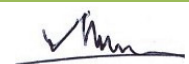
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|      | Glass, Metal & Rigid Material                                    |                         | 8.4.2.2):2018<br>ISO 8124-1 (Clause 5.24.6):2022<br>ASTM F 963 (Clause 8.9):2023                                   |                                     |
| 29   | Projectile Toys, Toy Components & Materials with Projectiles     | Kinetic Energy Test     | BS EN 71-1:2014+A1, Clause 8.24:2018<br>ISO 8124-1 (Clause 5.15):2022<br>ASTM F 963 (Clause: 8.14.5 & 8.14.6):2023 | 1-40,000 J/m <sup>2</sup>           |
| 30   | Toys and Toy Components, Toys with Glass, Metal & Rigid Material | Drop Test               | BS EN 71-1:2014+A1, (Clause 8.5):2018<br>ISO 8124-1 (Clause 5.24.2):2022<br>ASTM F 963 (Clause 8.7.1):2023         | Qualitative                         |
| 31   | Toys and Toy Components, Toys with Glass, Metal & Rigid Material | Compression Test        | BS EN 71-1:2014+A1, (Clause 8.8):2018<br>ISO 8124-1 (Clause: 5.24.7): 2022<br>ASTM F 963: (Clause 8.10):2023       | Qualitative                         |
| 22   | Toys and Toy Components, Toys with Glass, Metal & Rigid Material | Impact Test             | BS EN 71-1:2014+A1, (Clause 8.7):2018<br>ISO 8124-1 (Clause 5.14): 2022<br>ASTM F 963 (Clause 8.7.4):2023          | Qualitative                         |
| 33   | Ride on Toys & Scooters                                          | Dynamic Strength Test   | EN 71-1:2014+A1:2018 (Clause 8.22)                                                                                 | Qualitative                         |

  
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|      |                                                                                   |                               | ISO 8124-1:2022 (Clause 5.27)<br>ASTM F963-23 (Clause 8.21)                                                                     |                                           |
| 34   | Acoustic or Sound Producing Toys                                                  | Sound pressure level test     | EN 71-1:2014+A1:2018 (Clause 8.28)<br>ISO 8124-1:2022 (Clause 5.25)<br>ASTM F963-23 (Clause 8.20)                               | 30 – 140 dB                               |
| 35   | YoYo Elastic Tether Toy, YoYo Ball                                                | Yo-Yo ball Measurement Test   | EN 71-1:2014+A1:2018 (Clause 8.37)<br>ISO 8124-1:2022 (Clause 5.38)<br>ASTM F963-23 (Clause 8.24)                               | Qualitative                               |
| 36   | Liquid Filled Toys and Toy Components                                             | Leakage of Liquid Filled Toys | EN 71-1:2014+A1:2018 (Clause 8.15)<br>ISO 8124-1:2022 (Clause 5.19)                                                             | Qualitative                               |
| 37   | Toys and Toy Components, Toys with Glass, Metal & Rigid Material, Battery, Magnet | Abuse Tests                   | ISO 8124-1:2022 (Clause 5.24)<br>ASTM F963-23 (Clause 8.6)<br>16 CFR 1500.50 / 16 CFR 1500.51 / 16 CFR 1500.52 / 16 CFR 1500.53 | Qualitative                               |
| 38   | Toys and Toy Components                                                           | Safety of toys                | EN 71-1:2014+A1:2018 (Clause 4,5,6,&7)<br>ASTM F963-23 (Clause 4,5,6,&7)                                                        | Qualitative                               |

  
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| ISO 8124-1:2022 (Clause 4)             |                                          |                                                       |                                                                       |                                              |
| <b>III. Paper &amp; Paper Products</b> |                                          |                                                       |                                                                       |                                              |
| 39                                     | Paper & Paper Products                   | Water absorptiveness — Cobb method                    | ISO 535: 2023;<br>TAPPI/ANSI T 441 om-24                              | 20 g/m <sup>2</sup> to 5000 g/m <sup>2</sup> |
| 40                                     | Paper & Paper Products                   | Determination of Grammage                             | ISO 536: 2019<br>TAPPI T410 OM-23                                     | 20 g/m <sup>2</sup> to 5000 g/m <sup>2</sup> |
| 41                                     | Paper & Paper Products                   | Bursting strength                                     | ISO 2759: 2014<br>TAPPI T810 OM-22                                    | 250 kPa to 5500 kPa                          |
| 42                                     | Paper & Paper Products                   | Thickness Test                                        | ISO 3034: 2011                                                        | 0-50mm                                       |
| 43                                     | Paper & Paper Products                   | Flat crush resistance                                 | ISO 3035: 2025                                                        | 100 kPa to 3000 kPa                          |
| 44                                     | Paper & Paper Products                   | Puncture resistance                                   | ISO 3036: 2025                                                        | 1 J to 48 J                                  |
| 45                                     | Paper & Paper Products                   | Edge Crush Strength                                   | ISO 3037: 2022<br>TAPPI T811-OM 23                                    | 1 kN/m to 50 kN/m                            |
| 46                                     | Paper & Paper Products                   | Drop Test                                             | ISO 2248:1985;<br>ASTM D5276-23                                       | 20 to 400 lb/in<br>Qualitative               |
| 47                                     | Paper & Paper Products                   | Moisture Content Test                                 | ISO 287: 2017<br>TAPPI/ ANSI T 550 om- 12<br>TAPPI/ ANSI T 412 om- 12 | 0 to 50%                                     |
| 48                                     | Paper & Paper Products                   | Compressive Resistance Test                           | ASTM D642-25                                                          | 0 to 50000N                                  |
| 49                                     | Paper & Paper Products                   | Vibration Testing of Shipping Containers              | ASTM D999- 08 (Reapproved 2023)                                       | Qualitative                                  |
| 50                                     | Paper & Paper Products                   | Simulated Drop of Loaded Containers by Shock Machines | ASTM D5487- 16<br>(Reapproved 2022)                                   | Qualitative                                  |

  
Quality Manager

## SCOPE OF ACCREDITATION

(For Testing Laboratory)

**CAB Name & Address:** ITS Labtest Bangladesh Ltd. Gazipur  
Haider Tower, House No-668, Choydana, Ward No-34, Gazipur City Corporation, Gazipur-1704, Bangladesh.

**Accreditation Standard:** ISO/IEC 17025:2017  
**Accreditation Date:** 22 September 2020

**Certificate Number:** 01.059.20  
**Issued on:** 12 October 2023

**Last Amended on:** 05 October 2025  
**Valid until:** 21 September 2026

**Amendment no:** 01

| S.N.                                              | Products/<br>Materials/<br>Items of test                                               | Type of tests performed                           | Specifications/ Standard<br>test methods/Techniques<br>used    | Range of<br>testing/Limit of<br>detection |
|---------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------|-------------------------------------------|
| 11                                                | Paper & Paper<br>Products                                                              | Packaged-Products 150 lb<br>(68 kg) or Less       | ISTA -1A:2014                                                  | Qualitative                               |
| <b>IV. Performance / Durability / Safety Test</b> |                                                                                        |                                                   |                                                                |                                           |
| 52                                                | Domestic<br>Appliances –<br>Ceramic, glass,<br>plastic, glass-<br>ceramics<br>cookware | Crazing Resistance                                | EN 13258: 2003<br>ASTM C554-23                                 | Qualitative                               |
| 53                                                | Domestic<br>Appliances –<br>Ceramic, glass,<br>plastic, glass-<br>ceramics<br>cookware | Thermal Shock                                     | BS EN 1183: 1997                                               | Qualitative                               |
| 54                                                | Domestic<br>Appliances –<br>Ceramic, glass,<br>plastic, glass-<br>ceramics<br>cookware | Ovenware for use in<br>traditional domestic ovens | BS EN 13834:2020                                               | Qualitative                               |
| 55                                                | Domestic<br>Appliances –<br>Ceramic, glass,<br>plastic, glass-<br>ceramics<br>cookware | Mechanical Dishwashing<br>resistance for Ceramics | BS EN 12875-4: 2006<br>In house method (Ref. BS EN<br>12875-1) | Qualitative                               |
| 56                                                | Domestic<br>Appliances –<br>Ceramic, glass,<br>plastic, glass-<br>ceramics             | Sensory Analysis Test                             | DIN 10955- 2024<br>BS ISO 13302: 2003                          | Qualitative                               |

  
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|------|----------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------|-------------------------------------------|
|      | cookware                                                                               |                                         |                                                             |                                           |
| 57   | Domestic<br>Appliances –<br>Ceramic, glass,<br>plastic, glass-<br>ceramics<br>cookware | Color Migration test                    | BS EN 13130-1: 2004<br>ITS-M0123-V01                        | Qualitative                               |
| 58   | Domestic<br>Appliances –<br>Ceramic, glass,<br>plastic, glass-<br>ceramics<br>cookware | Water Absorption of<br>Ceramic articles | BS EN 1217:1998 (Method C)<br>BS 5416:1990 (Appendix A)     | 0-20%<br><br>Qualitative                  |
| 59   | Domestic<br>Appliances –<br>Ceramic, glass,<br>plastic, glass-<br>ceramics<br>cookware | Microwave Safety                        | BS EN 15284: 2007                                           | Qualitative                               |
| 60   | Domestic<br>Appliances –<br>Ceramic, glass,<br>plastic, glass-<br>ceramics<br>cookware | Freezer Resistance                      | Inhouse SOP: ITS-M0004-V03<br>(2018)                        | Qualitative                               |

\*\*\*END\*\*\*

  
Quality Manager