



ACCREDITATION CERTIFICATE

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

NUSDAT-UTS, Walton Hi-Tech Industries PLC.

**Level:07 (Ref. Lab-3,4 & 7), Building-1; Level:05 (AC Lab-02 & 03) Building-7
Holding No. I-25/1, Ward No. 07, Chandra, Kaliakoir, Gazipur, 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 : 01.025.15
Accreditation Date : 18 August 2015
Date of Issuance : 04 December 2024(3rd Renewal)
Date of Expiration : 17 August 2027



[Signature]
4.12.2024
Md. Anwarul Alam
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: **NUSDAT-UTS, Walton Hi-Tech Industries PLC.**
Level:07 (Ref. Lab-3,4 & 7), Building-1; Level:05 (AC Lab-02 & 03) Building-7;
Level-01 (WM Lab) Building-8; Holding No. I-25/1, Ward No. 07, Chandra, Kaliakoir,
Gazipur, Bangladesh.

Accreditation Standard: ISO/IEC 17025:2017
Certificate Number: 01.025.15
Last Amended on: 08 December 2025
Amendment no: 01

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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
Field: Electrical				
1.	Refrigerator (Frost free & Direct cool)	Energy Consumption Test	UAE.S IEC 62552: 2013 SASO 2892: 2018; BDS 1850: 2024; SLS 1230: 2003; IEC 62552-1,-3: 2015 /AMD1:2020; IS 17550-1, -3: 2021; EN 62552-1, -3: 2020;	Volume capacity: up to 950L
2.		Temperature Performance Test	UAE.S IEC 62552: 2013 SASO 2892: 2018; BDS 1850: 2024; SLS 1230: 2003; IEC 62552-1, -2: 2015 /AMD1:2020; IS 17550-1, -2: 2021; EN 62552-1, -2: 2020;	Test Room: +5 °C to +50 °C Temperature Sensor: -50 °C to +150 ° C,
3.		Pull Down Test	BDS 1850: 2024; SLS 1230: 2003; IEC 62552-1, -2: 2015 /AMD1:2020; IS 17550-1, -2: 2021; EN 62552-1, -2: 2020;	Voltage: 10V to 350VAC, Frequency: 50/60Hz, Power: 0 to 1KW
4.		Freezing Capacity Test	UAE.S IEC 62552: 2013; SASO 2892: 2018; BDS 1850: 2024; IEC 62552-1, -2: 2015 /AMD1:2020; IS 17550-1, -2: 2021; EN 62552-1, -2: 2020;	
5.		Ice Making Test	UAE.S IEC 62552: 2013 SASO 2892: 2018; SLS 1230: 2003; IEC 62552-1, -2: 2015 /AMD1:2020; IS 17550-1, -2: 2021;	


Quality Manager

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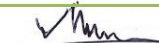
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6.		Temperature Rise Test	SASO 2892: 2018;	
7.		Volume Measurement	UAE.S IEC 62552: 2013; BDS 1850: 2024; SLS 1230: 2003; IEC 62552-1, -3: 2015 /AMD1:2020; IS 17550-1, -3: 2021; EN 62552-1, -3: 2020;	
Field: Electrical				
8.		Cooling Capacity test	ISO 5151:2017/ AMD1: 2020; SASO ISO 5151: 2017; BDS 1852: 2022; UAE.S/ISO 5151: 2010;	
9.		Minimum Cooling, Freeze-up Air blockage Tests	ISO 5151:2017/ AMD1: 2020; SASO ISO 5151: 2017; BDS 1852: 2022; UAE.S/ISO 5151: 2010;	Cooling Capacity: 1750W-17500W Temperature Sensor: -50° C to +150° C
10.	Air Conditioner (Cooling test)	Maximum Cooling Performance test	ISO 5151:2017/ AMD1: 2020; SASO ISO 5151: 2017; BDS 1852: 2022; UAE.S/ISO 5151: 2010;	Voltage: 10V to 500VAC Frequency: 50/60Hz Power: 99999MWh
11.		Freeze-up Drip Performance Tests	ISO 5151:2017/AMD 1: 2020 SASO ISO 5151: 2017 BDS 1852: 2022 UAE.S/ISO 5151: 2010;	Temperature of the room: Indoor Side: 10°C to 45°C, Outdoor Side: -10°C to 60°C
12.		Condensate control and enclosure sweat performance test	ISO 5151:2017/AMD 1: 2020; SASO ISO 5151: 2017; BDS 1852: 2022; UAE.S/ISO 5151: 2010; EN 14511-1, -2, -3, -4: 2022;	



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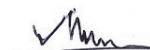
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13.		Cooling Capacity Test	IS 1391 (part-2): 2023;	
14.		Enclosure Sweat Test	IS 1391 (part-2): 2023;	
15.		Freeze-up Test	IS 1391 (part-2): 2023;	
16.		Max. Operating Test	IS 1391 (part-2): 2023;	
17.		Power Consumption Test for Cooling	IS 1391 (part-2): 2023;	
18.		Part load condition for space Cooling	EN 14825: 2022; EN 14511-1, -2, -3, -4: 2022;	
19.		Heating Capacity test	ISO 5151:2017/AMD 1: 2020; SASO ISO 5151: 2017 BDS 1852: 2022; UAE.S/ISO 5151: 2010;	
20.		Maximum Heating Performance test.	ISO 5151:2017/AMD 1: 2020; SASO ISO 5151: 2017 BDS 1852: 2022; UAE.S/ISO 5151: 2010;	Heating Capacity: 2000W-21000W Temperature Sensor: -50 °C to +150 °C,
21.	Air Conditioner (Heating test)	Minimum Heating Performance test	ISO 5151:2017/AMD 1: 2020; SASO ISO 5151: 2017 BDS 1852: 2022; UAE.S/ISO 5151: 2010;	Voltage: 10V to 500VAC, Frequency: 50/60Hz Power: 99999MWh Temperature of the room: Indoor Side: 10 °C to 45 °C, Outdoor Side: -10 °C to 60 °C
22.		Automatic Defrost Performance test	ISO 5151:2017/AMD 1: 2020; SASO ISO 5151: 2017 BDS 1852: 2022; UAE.S/ISO 5151: 2010;	
23.		Part load condition for space Heating	EN 14825: 2022; EN 14511-1, -2, -3, -4: 2022;	



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22.	Air Conditioner (General test)	Measurement of EPI during Off mode	EN 14825: 2022; EN 14511-1, -2, -3, -4: 2022;	Cooling Capacity: 1750W-17500W Temperature Sensor: -50° C to +150° C
23.		Measurement of EPI during Standby mode	EN 14825: 2022; EN 14511-1, -2, -3, -4: 2022;	Voltage: 10V to 500VAC Frequency: 50/60Hz Power: 99999MWh
24.		Measurement of EPI during Thermostat off mode	EN 14825: 2022; EN 14511-1, -2, -3, -4: 2022;	Temperature of the room: Indoor Side: 10°C to 45°C, Outdoor Side: -10°C to 60°C
Field: Electrical				
25.	Washing Machine	Washing Performance Test	IEC 60456:2010 BDS IEC 60456:2014 IEC 60456: 2024	Room Temperature 15° C to +30° C Room Humidity: 40% to 90%
26.		Water Extraction Performance Test	IEC 60456:2010 BDS IEC 60456:2014 IEC 60456: 2024	Wash performance weight: 25 KG (Max.) Aperture 25mm Weight measurement resolution: 0.1g Weight measurement range: 0-30kg Water hardness: Hard Water 2.5 ± 0.2 mmol/l
27.		Rinsing Performance Test	IEC 60456:2010 BDS IEC 60456:2014 IEC 60456: 2024	Soft water 0.5 ± 0.2 mmol/l Power: 9999MWh Voltage: 0-300V (AC)



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28.		Energy Consumption Test	IEC 60456:2010 BDS IEC 60456:2014 IEC 60456: 2024	Current: 0-20A (AC) Frequency: 50-60Hz Cold water temperature: 5~40 °C (± 0.5 °C)
29.		Water Consumption Test	IEC 60456:2010 BDS IEC 60456:2014 IEC 60456: 2024	Hot water temperature: 30~75(± 0.5 °C) Water pressure: 0.1~0.3MPa (± 10kpa)
30.		Program Time Test	IEC 60456:2010 BDS IEC 60456:2014 IEC 60456: 2024	UUT Water Flow range: 0.1~2.0 m3/h Time: 1 seconds to 23H 59m 59s

END



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