GLOBAL ACCEPTANCE

BAB

BANGLADESH ACCREDITATION BOARD

ACCREDITATION CERTIFICATE

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

Valitech Lab & Inspection Ltd., Inspection Services

House-211 (4th Floor), Ranavola Avenue Road

Sector-10, Uttara, Dhaka-1230, Bangladesh

This is to certify that this

Inspection Body(Type-A)

is accredited in accordance with the international standard

ISO/IEC 17020:2012

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

Certificate Number	:	**05.025.23**
Accreditation Date	:	**13 July 2023**
Date of Issuance	:	**13 July 2023**
Date of Expiration	:	**12 July 2026**

CERT. NO. 05.025.23

BAB

BANGLADESH ACCREDITATION BOARD
Accredited for ISO/IEC 17020:2012

GLOBAL ACCEPTANCE

BAB ACCREDITED

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.

BANGLADESH ACCREDITATION BOARD (BAB)

91, Motijheel C/A, Dhaka-1000
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SCOPE OF ACCREDITATION

(For Inspection Bodies)

CAB Name & Address: Valitech Lab & Inspection Ltd., Inspection Services
House-211(4th Floor), Ranavola Avenue Road,
Sector-10, Uttara, Dhaka-1230, Bangladesh

Accreditation Standard: ISO/IEC 17020:2012 **Accreditation Date:** 13 July 2023

Certificate Number: 05.025.23 **Issued on:** 13 July 2023

Last Amended on: - **Valid until:** 12 July 2026

Amendment no: -

Types : A

Head Office or primary location			**Additional Locations (If different from Head Office)**		
House-211, Ranabhola Avenue Road, Sector-10, Uttara, Dhaka-1230			**1**	**N/A**	
			2	**N/A**	
			3	**N/A**	
Type (A,B,C)	**Inspection Category (Product, Process, Services or Installation)**	**Inspection Field (and sub-fields)**	**Range of inspections**	**Stage of inspection**	**Inspection requirements or criteria**
A	Service	Room Air Velocity Inspection	0 to 20 m/s (Velocity Method)	On Site	ISO 14644-3:2019
			40 to 4250 m3/h (Flow Hood Method)	On Site	ISO 14644-3:2019
		Air Change Per Hour (ACPH) Inspection (Air Velocity & Air Volume calculation method)	1.For Class A : ACPH Limit 70- Above 2.For Class B: ACPH Limit 40-70 3.For ClassC: ACPH Limit 20-40 3.For Class D: ACPH Limit 5-20	On Site	ISO 14644-3:2019
		Room Filter Integrity Inspection (HEPA/ULPA Filter media & Gasket Leak Test)	i)Maximum particle concentration of 0.01% for filters that can be Scanned ii)Maximum particle concentration of 0.005% for filters that can be Scanned	On Site	ISO 14644-3:2019

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Type (A,B,C)	Inspection Category(Product, Process, Services or Installation)	Inspection Field (and sub-fields)	Range of inspections	Stage of inspection	Inspection requirements or criteria
A	Service	Room Airborne particle count cleanliness inspection	i) For Class 'A'; Maximum concentration limit of 0.5µm & 5.0µm are 3,520 & 29 e,d,f. ii) For Class 'B'; Maximum concentration limit of 0.5µm & 5.0µm are 35,200 & 293. iii) For Class 'C'; Maximum concentration limit of 0.5µm & 5.0µm are 352,000 & 2930. iv) For Class 'D'; Maximum concentration limit of 0.5µm & 5.0µm are 3520, 0000 & 29300.	On Site.	ISO 14644-1:2015
		Room Recovery Inspection	i)For Class A, Initial and Target Particle Concentration of 0.5µm sized Particles are considered as≥352,000 and ≤3,520 Particles/m^3 Respectively. ii)For Class B, Initial and Target Particle Concentration of 0.5µm sized Particles are considered as≥352,000 and ≤3,520 Particles/m^3 Respectively. iii) For Class C, Initial and Target Particle Concentration of 0.5µm sized Particles are considered as≥35,200,000 and ≤352,000 Particles/m^3 Respectively. iv) For Class D, Initial and Target Particle Concentration of 0.5µm sized Particles are considered as≥35,200,0000 and ≤35,20,000 Particles/m^3 Respectively.	On Site	ISO 14644-3:2019

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Type (A,B,C)	Inspection Category(Product, Process, Services or Installation)	Inspection Field (and sub-fields)	Range of inspections	Stage of inspection	Inspection requirements or criteria
A	Service	Air Flow Visualization Inspection(Air Flow pattern check & visualization record)	Air Visualization by Tracer gas injection method	On Site	ISO 14644-3:2019
		Room Pressurization Inspection	-50 to 500 Pa	On Site.	ISO 14644-1:2019
		Light Level Inspection	0.01 lux to 200000 lux	On Site	NEBB:2009
		Sound Level Inspection	30 to 130 dB	On Site	NEBB:2009
		Temperature & Humidity Mapping	-20…60 ℃ /0…100 %RH	On Site	ISO 14644-3:2019
		Containment Leak Inspection (Aerosol Photometer	Concentration of 0.01% for Constructions joints, Cracks, Pressurized Ceilings, that can be scanned	On Site	ISO 14644-3:2019
		Laminar Air Flow	Air Velocity Measurement 0.36 to 0.54 m/s	On Site	ISO 14644-3:2019
			HEPA Filter Leak Inspection: Concentration of 0.01% for filters that can be scanned and 0.005% which can't be scanned.	On Site	ISO 14644-3:2019
			Particle Count Inspection For Class 'A'; Maximum concentration limit of 0.5µm & 5.0µm are 3,520 & 29 e, d,	On Site	ISO 14644-1:2015
			Particle Recovery Inspection: i)For Class A, Initial and Target Particle Concentration of 0.5µm sized Particles are	On Site	ISO 14644-3:2019

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Type (A,B,C)	Inspection Category(Product, Process, Services or Installation)	Inspection Field (and sub-fields)	Range of inspections	Stage of inspection	Inspection requirements or criteria
A	Service		Particle Recovery Inspection: i)For Class A, Initial and Target Particle Concentration of 0.5µm sized Particles are considered as≥352,000 and ≥3,500 Particles/m³	On Site	ISO 14644-3:2019
			Air Flow Visualization Inspection (Air Flow pattern check & visualization record): By Tracer gas	On Site	ISO 14644-3:2019
			Light Intensity Inspection: >= 500 Lux	On Site	NEBB:2009
			Sound Level Inspection: NMT 80 dB	On Site	NEBB:2009
		Dispensing Booth, Sampling Booth, Dynamic Pass Box	Air Velocity Inspection 0 to 20 m/s	On Site	ISO 14644-3:2019
			HEPA Filter Leak Inspection: Concentration of 0.01% for filters that can be scanned and 0.005% which can't be scanned.	On Site	ISO 14644-3:2019
			Particle Count Inspection For Class 'A'; Maximum concentration limit of 0.5µm & 5.0µm are 3,520 & 29 e, d, f	On Site	ISO 14644-1:2015
			Air Flow Visualization Inspection (Air Flow pattern check & visualization record): By Tracer gas	On Site	ISO 14644-3:2019
			Particle Recovery Inspection: i)For Class A, Initial and Target Particle Concentration of 0.5µm sized Particles are considered as ≥352,000 and	On Site	ISO 14644-3:2019
			Light Intensity Inspection: >= 400 Lux	On Site	NEBB:2009

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Type (A,B,C)	Inspection Category(Product, Process, Services or Installation)	Inspection Field (and sub-fields)	Range of inspections	Stage of inspection	Inspection requirements or criteria
A	Service		Sound Level Inspection: NMT 80 dB	On Site	NEBB:2009
		Bio-Safety Cabinet, Fume Hood	Air Velocity Inspection 0.36 to 0.54 m/s	On Site	ISO 14644-3:2019
			HEPA Filter Leak Inspection: Concentration of 0.01% for filters that can be scanned and 0.005% which can't be scanned.	On Site	ISO 14644-3:2019 & ASHRAE 110:2016
			Particle Count Inspection For Class 'A'; Maximum concentration limit of 0.5µm & 5.0µm are 3,520 & 29 e, d, f. ii) For Class 'B'; Maximum concentration limit of 0.5µm & 5.0µm are 35,200 & 293	On Site	ISO 14644-1:2015
			Particle Recovery Inspection: i)For Class A, Initial and Target Particle Concentration of 0.5µm sized Particles are considered as≥352,000 and ≥ 500 Particles/m³	On Site	ISO 14644-3:2019
			Air Flow Visualization Inspection (Air Flow pattern check & visualization record): By Tracer gas injection	On Site	ISO 14644-3:2019
			Light Intensity Inspection: >= 500 Lux	On Site	NEBB:2009
			Sound Level Inspection: NMT 80 dB	On Site	NEBB:2009
		Air Handling unit (AHU), Air Filtration Unit(AFU)	**Air Velocity Inspection** 0 to 20 m/s	On Site	ISO 14644-3:2019
			HEPA Filter Leak Inspection: Concentration of 0.01% for filters that can be scanned and 0.005% which can't be scanned.	On Site	ISO 14644-3:2019

END

Quality Manager