



ACCREDITATION CERTIFICATE

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

SGS Food & Agricultural Testing Laboratory
SGS Bangladesh Limited
Noor Tower, 110 Bir Uttam C. R. Datta Road,
Dhaka-1205, 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 : 01.029.15
Accreditation Date : 03 September 2015
Date of Issuance : 24 November 2024(3rd Renewal)
Date of Expiration : 02 September 2027



[Signature]
24.11.2024
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:		SGS Bangladesh Limited Noor Tower, 110 Bir Uttam C. R. Datta Road, Dhaka-1205, Bangladesh		
Accreditation Standard:	ISO/IEC 17025:2017	Accreditation Date:	03 September 2015	
Certificate Number:	01.029.15	Issued on:	24 November 2024	
Last Amended on:	N/A	Valid until:	02 September 2027	
Amendment no:	N/A			
S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
Field: CHEMICAL TESTING (FOOD)				
1	Drinking Water & Waste Water	Alkalinity	APHA 2320B, 23 rd Edition 2017	10 mg/l
2		Biochemical Oxygen Demand (BOD)	APHA 5210 B, 23 rd Edition 2017 & BOD Track Instrument Manual of OxiTop	1 mg/l
3		Chemical Oxygen Demand (COD)	APHA 5220 B & D, 23 rd Edition 2017	4 mg/l
4		Chloride	APHA 4500-Cl D, B, 23 rd Edition 2017,	0.5 mg/l
5		Total Chlorine/ Chlorine (Residual)	APHA 4500-Cl B/G, 23 rd Edition 2017	0.14 mg/l
6		Chromium-VI	APHA 3500 Cr (VI) B, 23 rd Edition 2017	0.005 mg/l
7		Color	ISO 7887-B, APHA 2120B, 23 rd Edition 2017	0.1 m ⁻¹ / 5 CU
8		Dissolved Oxygen (DO)	APHA 4500-O G, 23 rd Edition 2017	1 mg/l
9		Electrical Conductivity	APHA 2510B, 23 rd Edition 2017	0.01 µs/cm
10		Heavy Metals (As, pb, Cd, Cr, Ni, Cu, Co, Sb, Mn) by ICP-OES	APHA 3120B, ICP Method 23 rd Edition 2017	0.01-1000mg/l
11		Nitrate	APHA 4500-NO ₃ B, 23 rd Edition 2017	0.05 mg/l
12		Nitrite	APHA 4500-NO ₂ B, 23 rd Edition 2017	0.05 mg/l
13		Oil & Grease	APHA 5520B/C, 23 rd Edition 2017, ISO 9377-1	0.25 mg/l
14		pH value	APHA 4500-H ⁺ B, 23 rd Edition 2017	2
15		Sulphate	APHA 4500-SO ₄ ²⁻ E, 23 rd Edition 2017	2 mg/l
16		Sulfide	APHA 4500-S ²⁻ D, 23 rd Edition 2017	0.005 mg/l
17		Temperature	APHA 2550B, 23 rd Edition 2017	1 °C
18		Total Dissolved Solid (TDS)	APHA 2540C, 23 rd Edition 2017	1mg/l
19		Total Hardness	APHA 2340 C, 23 rd Edition 2017	2 mg/l
20		Total phosphorus	APHA 4500-P-J, B&E, 23 rd Edition 2017	0.05 mg/l
21		Total Suspended Solid (TSS)	APHA 2540D, 23 rd Edition 2017	1 mg/l
22		Turbidity	APHA 2130B, 23 rd Edition 2017	5 NTU
23		Total Nitrogen	APHA 4500-N C&B, 23 rd Edition 2017	1.0 mg/l
24		Ammonium- Nitrogen	APHA 4500-NH ₃ F, B&C, 23 rd Edition 2017,	0.25mg/l
25		Phenols	APHA 5530 B&D, 23 rd Edition 2017	0.0005 mg/l


Quality Manager

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address:		SGS Bangladesh Limited Noor Tower, 110 Bir Uttam C. R. Datta Road, Dhaka-1205, Bangladesh		
Accreditation Standard:		ISO/IEC 17025:2017	Accreditation Date:	03 September 2015
Certificate Number:		01.029.15	Issued on:	24 November 2024
Last Amended on:		N/A	Valid until:	02 September 2027
Amendment no:		N/A		
S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
26	Drinking Water & Waste Water	Sulfite	APHA 4500 SO ₃ -C, B, 23 rd Edition 2017	0.1 mg/l
27		Cyanide	APHA 4500-CN-E, 23 rd Edition 2017	0.01 mg/l
28		pH	BD-FOOD-CH-SOP-060-01 (Based on SM-PR-355 by pH Meter)	2
29		Total Alkalinity	BD-FOOD-CH-SOP-061-01 (Based on SM-PR-040)	10 mg/l
30		TDS	BD-FOOD-CH-SOP-062-01 (Based on SM-PR-445)	1 mg/l
31		Turbidity	BD-FOOD-CH-SOP-063-01 (Based on SM-PR-455)	1 NTU
32	Sludge	Paint Filter Test	EPA 9095B	Free Liquid Present or Not
33		% Solid	EPA 160.3 (Dry at 105 °C)	10 mg/kg
34		Cyanide	USEPA 9013 & EPA 9014, APHA 4500-CN-E 23 rd Edition 2017	0.5 mg/kg
35		pH Value	EPASW9045D (Suspension with water followed by pH meter)	0 - 14
36	Fat & Oil	Moisture Content	AOCS Ca 2c-25 (2009) 6th Edition	0.02 to 10%
37	Food & Feeding Stuffs	Ash Content	AOAC 923.03 20th Edition 2016	0.05 to 20%
38	Food & Feeding Stuffs	Fat & Oil	AOAC 922.06 20th Edition 2016	0.5 to 70%
39	Food & Feeding Stuffs	Crude Protein	Gafta 4:1(2014), ISO 20483:2013	0.5 to 60%
40	Food	Cadmium, Iron, Lead, Copper, Zinc & Sodium with ICP-OES	AOAC 999.10 20th Edition 2016	0.2 to 2000 mg/kg
41	Milk	Fat content	AOAC 932.06 20th Edition 2016	0.1 to 50%
42	Milk Powder	Moisture Content	AOAC 927.05 20th Edition 2016	0.1 to 50%
43	Edible Oil	Free Fatty Acid	AOCS Ca 5a-40 6th Edition	0.1 to 50%
44	Edible Oil	Acid Value	AOCS Cd 3d-63 6th Edition	0.2 to 20%
45	Oil Seed	Oil Content	AOCS Am 2-93 6th Edition	0.01 to 70%
46	Oil Seed	Moisture Content	ISO 665: 2000	0.1 to 50%
47	Oil Seed	Impurity	ISO 658: 2002	0.01 to 100%
48	Sugar	Moisture Content	ICUMSA GS2/1/3/9-15 (2007)	0.01 to 20%
49	Sugar	Conductivity Ash	ICUMSA GS2/3/9-17 (2011)	0.0001 to 1 %
50	Wheat Flour, Corn Flour	Moisture Content	AOAC 925.10 20th Edition 2016	0.1 to 50%
51	Sparkling Beverages	Carbonation (GV)	BD-FOOD-CH-SOP-052-01 (Based on SM-PR-150)	1 Volume of CO ₂
52	Sparkling Beverages	Brix	BD-FOOD-CH-SOP-051-01 (Based on SM-PR-090)	1 °Brix
Field: MICROBIOLOGICAL TESTING (FOOD)				

Quality Manager

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address:		SGS Bangladesh Limited Noor Tower, 110 Bir Uttam C. R. Datta Road, Dhaka-1205, Bangladesh		
Accreditation Standard:		ISO/IEC 17025:2017	Accreditation Date:	03 September 2015
Certificate Number:		01.029.15	Issued on:	24 November 2024
Last Amended on:		N/A	Valid until:	02 September 2027
Amendment no:		N/A		
S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
53	Bakery & Confectionary products /RTE food & snacks	Total Plate count	FDA-BAM online Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥10 cfu/g
54		Total Coliform	FDA-BAM online October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
55		Fecal Coliform	FDA-BAM online October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
56		<i>E. coli</i>	FDA-BAM online October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
57		Enterobacteriaceae (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5 th Edition (APHA) Ch. 9	≥10 cfu/g
58		Yeast & Mold (enumeration)	FDA-BAM online April'2001, Chapter-18	≥10 cfu/g
59		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March -2016 chapter-12	>3 MPN/g
60		<i>Salmonella</i> Spp (Detection)	USFDA BAM online September - 2023-chapter 5	Present/Absent per 25 g
61		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM chapter-10 April - 2022	Present/Absent per 25 g
62	Beverage	Total Plate count	FDA-BAM online Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥1cfu/ml
63		Total Plate count	BD SOP No.: BD-FOOD-MB-SOP- 023-01 (Based on SM-PR-685)	≥1cfu/ml
64		Total Coliform	FDA-BAM online October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
65		Total Coliform	BD-FOOD-MB-SOP-024- 01 (Based on SM-PR-681)	≥1cfu/100 ml
66		Fecal Coliform-	FDA-BAM online October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
67		<i>E. coli</i>	FDA-BAM online October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
68		<i>E. coli</i>	BD-FOOD-MB-SOP-024- 01 (Based on SM-PR-681)	≥1cfu/100 ml
69		Enterobacteriaceae	Compendium of Methods for the	≥10 cfu/g

Quality Manager

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address:		SGS Bangladesh Limited Noor Tower, 110 Bir Uttam C. R. Datta Road, Dhaka-1205, Bangladesh		
Accreditation Standard:		ISO/IEC 17025:2017	Accreditation Date:	03 September 2015
Certificate Number:		01.029.15	Issued on:	24 November 2024
Last Amended on:		N/A	Valid until:	02 September 2027
Amendment no:		N/A		
S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		(enumeration)	Microbiological examination of Foods 5 th Edition (APHA) Ch. 9	
70		Yeast & Mold (enumeration)	FDA-BAM online April'2001, Chapter-18	≥10 cfu/g
71		Yeast & Mold (enumeration)	BD-FOOD-MB-SOP-025-01 (Based on SM-PR-688)	≥1cfu/20 ml
72		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March -2016 chapter-12	>3 MPN/g
73		<i>Salmonella</i> <i>Spp</i> (Detection)	USFDA BAM online September – 2023-chapter 5	Present/Absent per 25 g
74		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM chapter-10 April - 2022	Present/Absent per 25 g
75	Fruit Juice	Total Plate count	FDA-BAM online Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥1cfu/ml
76		Total Coliform	FDA-BAM online October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
77		Fecal Coliform	FDA-BAM online October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
78		<i>E. coli</i>	FDA-BAM online October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
79		Enterobacteriaceae (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5 th Edition (APHA) Ch. 9	≥10 cfu/g
80		Yeast & Mold (enumeration)	FDA-BAM online April'2001, Chapter-18	≥10 cfu/g
81		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March -2016 chapter-12	>3 MPN/g
82		<i>Salmonella spp</i> (Detection)	USFDA BAM online September – 2023-chapter 5	Present/Absent per 25 g
83		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM chapter-10 April - 2022	Present/Absent per 25 g
84		Total Plate count	FDA-BAM online Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥10 cfu/g
85	Fish & Sea Food	Total Coliform	FDA-BAM online October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
86		Fecal Coliform	FDA-BAM online October -2020,	>3 MPN/g

Quality Manager

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address:		SGS Bangladesh Limited Noor Tower, 110 Bir Uttam C. R. Datta Road, Dhaka-1205, Bangladesh		
Accreditation Standard:		ISO/IEC 17025:2017	Accreditation Date:	03 September 2015
Certificate Number:		01.029.15	Issued on:	24 November 2024
Last Amended on:		N/A	Valid until:	02 September 2027
Amendment no:		N/A		
S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
			Chapter-4 Enumeration of coliform by MPN method	
87		<i>E. coli</i>	FDA-BAM online October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
88		<i>Enterobacteriaceae</i> (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5 th Edition (APHA) Ch. 9	≥10 cfu/g
89		<i>Yeast & Mold</i> (enumeration)	FDA-BAM online April'2001, Chapter-18	≥10 cfu/g
90		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March -2016 chapter-12	>3 MPN/g
91		<i>Salmonella spp.</i> (Detection)	USFDA BAM online September – 2023-chapter 5	Present/Absent per 25 g
92		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM chapter-10 April - 2022	Present/Absent per 25 g
93		Total Plate count	FDA-BAM online Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥10 cfu/g
94		Total Coliform	FDA-BAM online October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
95		Fecal Coliform	FDA-BAM online October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
96	Milk & milk product	<i>E. coli</i>	FDA-BAM online October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
97		<i>Enterobacteriaceae</i> (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5 th Edition (APHA) Ch. 9	≥10 cfu/g
98		<i>Yeast & Mold</i> (enumeration)	FDA-BAM online April'2001, Chapter-18	≥10 cfu/g
99		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March -2016 chapter-12	>3 MPN/g
100		<i>Salmonella spp</i> (Detection)	USFDA BAM online September – 2023-chapter 5	Present/Absent per 25 g
101		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM chapter-10 April - 2022	Present/Absent per 25 g
102	Meat & meat product	Total Plate count	FDA-BAM online Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥10 cfu/g


Quality Manager

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address:		SGS Bangladesh Limited Noor Tower, 110 Bir Uttam C. R. Datta Road, Dhaka-1205, Bangladesh		
Accreditation Standard:		ISO/IEC 17025:2017	Accreditation Date:	03 September 2015
Certificate Number:		01.029.15	Issued on:	24 November 2024
Last Amended on:		N/A	Valid until:	02 September 2027
Amendment no:		N/A		
S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
103		Total Coliform	FDA-BAM online October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
104		Fecal Coliform	FDA-BAM online October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
105		E. coli	FDA-BAM online October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
106		Enterobacteriaceae (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5 th Edition (APHA) Ch. 9	≥10 cfu/g
107		Yeast & Mold (enumeration)	FDA-BAM online April'2001, Chapter-18	≥10 cfu/g
108		Staphylococcus aureus enumeration	USFDA BAM online March -2016 chapter-12	>3 MPN/g
109		Salmonella spp (Detection)	USFDA BAM online September – 2023-chapter 5	Present/Absent per 25 g
110		Listeria monocytogenes (Detection)	USFDA BAM chapter-10 April - 2022	Present/Absent per 25 g
111	Environmental surfaces swab	Salmonella spp (Detection)	USFDA BAM online September – 2023-chapter 5	Present/Absent per Swab
112		Listeria monocytogenes (Detection)	USFDA BAM chapter-10 April - 2022	Present/Absent per Swab
113	Drinking water	Total Plate count	APHA 23rd' Edition 2017(9215. A & B)	≥1 cfu/ml
114		Total Coliform	APHA 23rd Edition 2017 (9221.B)	1.8 -1600 MPN/100 ml
115		Fecal Coliform	APHA 23rd Edition 2017 (9221.E)	1.8 -1600 MPN/100 ml
116		E. coli	APHA 23 rd Edition 2017 (9221E, & 9221G-2)	1.8 -1600 MPN/100 ml
117	Waste Water	Total Coliform	APHA 23rd Edition 2017 (9221.B)	1.8 -1600 MPN/100 ml
118		Total Coliform	USEPA 9132	20-200 cfu/100ml
119		Fecal Coliform	APHA 23 rd Edition 2017 (9221.E)	1.8 -1600 MPN/100 ml
120		E. coli	APHA 23 rd EDN. 2017 (9221E, & 9221G-2)	1.8 -1600 MPN/100 ml
121	Sludge	Fecal Coliform	EPA 1681	≥ 0.1803 MPN/g

END


Quality Manager