



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

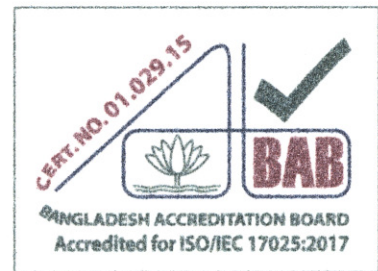
Testing Laboratory


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 : 26 August 2021
Date of Expiration : 02 September 2024



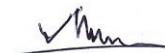

Md. Monwarul Islam
Director General

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scopes to which this accreditation applies, please refer to the Directory of CABs at BAB website.

SCOPE OF ACCREDITATION

(For Testing Laboratory)

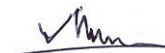
CAB Name & Address:		SGS Bangladesh Limited Noor Tower, 110 Bir Uttam C. R. Datta Road, Dhaka-1205, Bangladesh		
Accreditation Standard:	ISO/IEC 17025:2017	Accreditation Date:	03 September 2015	
Certificate Number:	01.029.15	Issued on:	26 August 2021	
Last Amended on:	3 May 2023	Valid until:	02 September 2024	
Amendment no:	01			
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, 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		Sulphide	APHA 4500-S ²⁻ D, 23 rd Edition 2017	0.1 mg/l
17		Temperature	APHA 2550B, 23 rd Edition 2017	1 ^o 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


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25	Drinking Water & Waste Water	Phenols	APHA 5530 B&D, 23 rd Edition 2017	0.0005 mg/l
26		Sulfite	APHA 4500 SO ₃ ²⁻ -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		Oil & Grease	USEPA 1664 A	1 mg/l
33		pH value	USEPA 150.1	2
34		Temperature	USEPA 170.1	1 ^o C
35		Phenol	USEPA 420.1	0.001 mg/l
36		Sulfite	USEPA 377.1	0.2 mg/l
37	Sludge	Paint Filter Test	EPA 9095B	Free Liquid Present or Not
38		% Solid	EPA 160.3 (Dry at 105 °C)	10 mg/kg
39		Cyanide	USEPA 9013 & EPA 9014, APHA 4500-CN-E 23 rd Edn 2017	0.5 mg/kg
40		pH Value	EPASW9045D (Suspension with water followed by pH meter)	2
41	Fat & Oil	Moisture Content	AOCS Ca 2c-25 (2009) 6th Edition	0.02 to 10%
42	Food	Formaldehyde in Food	AOAC 931.08 & 964.21 20th Edition 2016	2.5 to 100 mg/kg
43	Food & Feeding Stuffs	Ash Content	AOAC 923.03 20th Edition 2016	0.05 to 20%
44	Food & Feeding Stuffs	Fat & Oil	AOAC 922.06 20th Edition 2016	0.5 to 70%
45	Food & Feeding Stuffs	Crude Protein	Gafta 4:1 (2014)	0.5 to 60%
46	Food	Cadmium, Iron, Lead, Copper, Zinc & Sodium with ICP-OES	AOAC 999.10 20th Edition 2016	0.2 to 2000 mg/kg
47	Milk	Fat content	AOAC 932.06 20th Edition 2016	0.1 to 50%
48	Milk Powder	Moisture Content	AOAC 927.05 20th Edition 2016	0.1 to 50%
49	Edible Oil	Free Fatty Acid	AOCS Ca 5a-40 6th Edition	0.1 to 50%
50	Edible Oil	Acid Value	AOCS Cd 3d-63 6th Edition	0.2 to 20%
51	Oil Seed	Oil Content	AOCS Am 2-93 6th Edition	0.01 to 70%
52	Oil Seed	Moisture Content	ISO 665: 2000	0.1 to 50%


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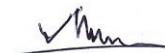
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53	Oil Seed	Impurity	ISO 658: 2002	0.01 to 100%
54	Sugar	Moisture Content	ICUMSA GS2/1/3/9-15 (2007)	0.01 to 20%
55	Sugar	Conductivity Ash	ICUMSA GS2/3/9-17 (2011)	0.0001 to 1 %
56	Wheat Flour, Corn Flour	Moisture Content	AOAC 925.10 20th Edition 2016	0.1 to 50%
57	Sparkling Beverages	Carbonation (GV)	BD-FOOD-CH-SOP-052-01 (Based on SM-PR-150)	1 Volume of CO ₂
58	Sparkling Beverages	Brix	BD-FOOD-CH-SOP-051-01 (Based on SM-PR-090)	1 °Brix
Field: MICROBIOLOGICAL TESTING (FOOD)				
59	Bakery & Confectionary products /RTE food & snacks	Total Plate count	FDA-BAM on line Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥10 cfu/g
60		Total Coliform	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
61		Fecal Coliform	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
62		<i>E. coli</i>	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
63		Enterobacteriaceae (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5 th Edition (APHA) Ch. 8 (8.62)	≥10 cfu/g
64		Yeast & Mold (enumeration)	FDA-BAM on line April'2001, Chapter-18	≥10 cfu/g
65		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March -2016 chapter-12	>3 MPN/g
66		<i>Salmonella</i> Spp (Detection)	USFDA BAM online June -2021 chapter-5	Present/Absent per 25 g
67		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM chapter-10 Mar-2017	Present/Absent per 25 g
68	Beverage	Total Plate count	FDA-BAM on line Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥1cfu/ml
69		Total Plate count	BD SOP No.: BD-FOOD-MB-SOP- 023-01(Based on SM-PR-685)	≥1cfu/ml
70		Total Coliform	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform	>3 MPN/g

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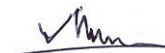
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			by MPN method	
71		Total Coliform	BD-FOOD-MB-SOP-024-01 (Based on SM-PR-681)	≥1cfu/100 ml
72		Fecal Coliform-	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
73		<i>E. coli</i>	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
74		<i>E. coli</i>	BD-FOOD-MB-SOP-024-01 (Based on SM-PR-681)	≥1cfu/100 ml
75		Enterobacteriaceae (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5 th Edition (APHA) Ch. 8 (8.62)	≥10 cfu/g
76		Yeast & Mold (enumeration)	FDA-BAM on line April'2001, Chapter-18	≥10 cfu/g
77		Yeast & Mold (enumeration)	BD-FOOD-MB-SOP-025-01 (Based on SM-PR-688)	≥1cfu/20 ml
78		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March -2016 chapter-12	>3 MPN/g
79		<i>Salmonella Spp</i> (Detection)	USFDA BAM online June -2021 chapter-5	Present/Absent per 25 g
80		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM chapter-10 Mar-2017	Present/Absent per 25 g
81		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM chapter-10 Mar-2017	Present/Absent per 25 g
82	Fruit Juice	Total Plate count	FDA-BAM on line Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥1cfu/ml
83		Total Coliform	FDA-BAM on line October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
84		Fecal Coliform	FDA-BAM on line October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
85		<i>E. coli</i>	FDA-BAM on line October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
86		Enterobacteriaceae (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5th Edition (APHA) Ch. 8	≥10 cfu/g


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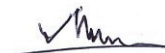
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			(8.62)	
87		Yeast & Mold (enumeration)	FDA-BAM on line April'2001, Chapter-18	≥10 cfu/g
88		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March -2016 chapter-12	>3 MPN/g
88		<i>Salmonella spp</i> (Detection)	USFDA BAM online June -2021 chapter-5	Present/Absent per 25 g
89		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM chapter-10 Mar-2017	Present/Absent per 25 g
90	Fish & sea food	Total Plate count	FDA-BAM on line Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥10 cfu/g
91		Total Coliform	FDA-BAM on line October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
92		Fecal Coliform	FDA-BAM on line October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
93		<i>E. coli</i>	FDA-BAM on line October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
94		Enterobacteriaceae (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5th Edition (APHA) Ch. 8 (8.62)	≥10 cfu/g
95		Yeast & Mold (enumeration)	FDA-BAM on line April'2001, Chapter-18	≥10 cfu/g
96		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March -2016 chapter-12	>3 MPN/g
97		<i>Salmonella spp</i> (Detection)	USFDA BAM online August -16 chapter-5	Present/Absent per 25 g
98		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM chapter-10 Mar-2017	Present/Absent per 25 g
99	Milk & milk product	Total Plate count	FDA-BAM on line Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥10 cfu/g
100		Total Coliform	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
101		Fecal Coliform	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform	>3 MPN/g


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102		<i>E. coli</i>	by MPN method FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
103		<i>Enterobacteriaceae</i> (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5 th Edition (APHA) Ch. 8 (8.62)	≥10 cfu/g
104		Yeast & Mold (enumeration)	FDA-BAM on line April'2001, Chapter-18	≥10 cfu/g
105		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March -2016 chapter-12	>3 MPN/g
106		<i>Salmonella spp</i> (Detection)	USFDA BAM online June -2021 chapter-5	Present/Absent per 25 g
107		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM chapter-10 Mar-2017	Present/Absent per 25 g
108		<i>Listeria monocytogenes</i> (Detection)	BD-FOOD-MB-SOP-008-02 followed by USFDA BAM chapter- 10 Mar-2017	Present/Absent per 125 g
109		Total Plate count	FDA-BAM on line Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥10 cfu/g
110	Meat & meat product	Total Coliform	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
111		Fecal Coliform	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
112		<i>E. coli</i>	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
113		<i>Enterobacteriaceae</i> (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5 th Edition (APHA) Ch. 8 (8.62)	≥10 cfu/g
114		Yeast & Mold (enumeration)	FDA-BAM on line April'2001, Chapter-18	≥10 cfu/g
115		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March -2016 chapter-12	>3 MPN/g
116		<i>Salmonella spp</i> (Detection)	USFDA BAM online June -2021 chapter-5	Present/Absent per 25 g
117		<i>Listeria monocytogenes</i>	USFDA BAM chapter-10 Mar-2017	Present/Absent per 25


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		(Detection)		g
118	Environmental surfaces swab	Salmonella spp (Detection)	USFDA BAM online August -16 chapter-5	Present/Absent per Swab
119		Listeria monocytogenes (Detection)	USFDA BAM chapter-10 Mar-2017	Present/Absent per Swab
120	Drinking water	Total Plate count	APHA 23rd' Edition 2017(9215.B)	≥1 cfu/ml
121		Total Coliform	APHA 23rd Edition 2017 (9221.B)	1.8 -1600 MPN/100 ml
122		Fecal Coliform	APHA 23rd Edition 2017 (9221.E)	1.8 -1600 MPN/100 ml
123		E. coli	APHA 23rd EDN. 2017 (9221.B, 9221.E, & 9221.G-2)	1.8 -1600 MPN/100 ml
124	Waste Water	Total Coliform	APHA 23rd Edition 2017 (9221.B)	1.8 -1600 MPN/100 ml
125		E. coli	APHA 23rd EDN. 2017 (9221.B, 9221.E, & 9221.G-2)	1.8 -1600 MPN/100 ml
126		Fecal Coliform	APHA 23rd Edition 2017 (9221.E)	1.8 -1600 MPN/100 ml
127	Sludge	Fecal Coliform	EPA 1681	≥ 0.1803 MPN/g

END


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