



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

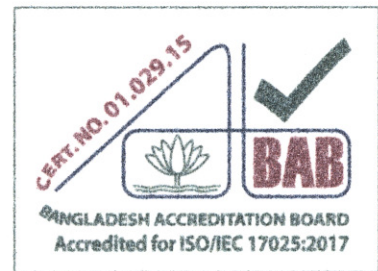
Testing Laboratory

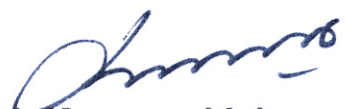
is accredited in accordance with the international standard

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

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

CAB Name & Address: SGS Food and Agricultural Testing Laboratory, SGS Bangladesh Limited
Noor Tower, 110 Bir Uttam C. R. Datta Road, Dhaka-1205, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017

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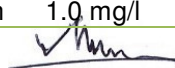
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Last Amended on: N/A

Valid until: 02 September 2024

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		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 ⁻ B, 23 rd Edition 2017	0.5 mg/l
5		Chlorine (Residual)	APHA 4500-Cl B, 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 by Visual Examination	APHA 2120B, 23 rd Edition 2017	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	Drinking Water & Waste Water	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, 23 rd Edition 2017	1 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	5 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 B&E, 23 rd Edition 2017	0.15 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	1.0 mg/l	



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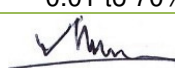
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			2017	
24		Ammoniacal Nitrogen	APHA 4500-NH3 B&C, 23 rd Edition 2017	0.5 mg/l
25		Phenol	APHA 5530 B&D, 23 rd Edition 2017	0.001 mg/l
26		Sulfite	APHA 4500 B, 23 rd Edition 2017	0.2 mg/l
27		Cyanide	APHA 4500-CN-E, 23 rd Edition 2017	0.01 mg/l
28	Drinking Water & Waste Water	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)	5 mg/l
31		Turbidity	BD-FOOD-CH-SOP-063-01 (Based on SM-PR-455)	5 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	Fat & Oil	Moisture Content	AOCS Ca 2c-25 (2009) 6th Edition	0.02 to 10%
38	Food	Formaldehyde in Food	AOAC 931.08 & 964.21 20th Edition 2016	2.5 to 100 mg/kg
39	Food & Feeding Stuffs	Ash Content	AOAC 923.03 20th Edition 2016	0.05 to 20%
40	Food & Feeding Stuffs	Fat & Oil	AOAC 922.06 20th Edition 2016	0.5 to 70%
41	Food & Feeding Stuffs	Crude Protein	Gafta 4:1 (2014)	0.5 to 60%
42	Food	Cadmium, Iron, Lead, Copper, Zinc & Sodium with ICP-OES	AOAC 999.10 20th Edition 2016	0.2 to 2000 mg/kg
43	Milk	Fat content	AOAC 932.06 20th Edition 2016	0.1 to 50%
44	Milk Powder	Moisture Content	AOAC 927.05 20th Edition 2016	0.1 to 50%
45	Edible Oil	Free Fatty Acid	AOCS Ca 5a-40 6th Edition	0.1 to 50%
46	Edible Oil	Acid Value	AOCS Cd 3d-63 6th Edition	0.2 to 20%
47	Oil Seed	Oil Content	AOCS Am 2-93 6th Edition	0.01 to 70%



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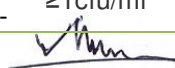
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48	Oil Seed	Moisture Content	ISO 665: 2000	0.1 to 50%
49	Oil Seed	Impurity	ISO 658: 2002	0.01 to 100%
50	Sugar	Moisture Content	ICUMSA GS2/1/3/9-15 (2007)	0.01 to 20%
51	Sugar	Conductivity Ash	ICUMSA GS2/3/9-17 (2011)	0.0001 to 1 %
52	Wheat Flour, Corn Flour	Moisture Content	AOAC 925.10 20th Edition 2016	0.1 to 50%
53	Sparkling Beverages	Carbonation (GV)	BD-FOOD-CH-SOP-052-01 (Based on SM-PR-150)	1 Volume of CO ₂
54	Sparkling Beverages	Brix	BD-FOOD-CH-SOP-051-01 (Based on SM-PR-090)	1 °Brix
Field: MICROBIOLOGICAL TESTING (FOOD)				
55		Total Plate count	FDA-BAM online Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥10 cfu/g
56		Total Coliform	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
57		Fecal Coliform	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
58	Bakery & Confectionery products /RTE Food & Snacks	<i>E. coli</i>	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
59		Enterobacteriaceae (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5 th Edition (APHA) Ch. 8 (8.62)	≥10 cfu/g
60		Yeast & Mold (enumeration)	FDA-BAM on line April'2001, Chapter-18	≥10 cfu/g
61		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March - 2016 chapter-12	>3 MPN/g
62		<i>Salmonella Spp</i> (Detection)	USFDA BAM online June -2021 chapter-5	Present/Absent per 25 g
63		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM online chapter-10 Mar-2017	Present/Absent per 25 g
64	Beverage	Total Plate count	FDA-BAM online Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥1cfu/ml
65		Total Plate count	BD SOP No.: BD-FOOD-MB-SOP-023-01(Based on SM-PR-	≥1cfu/ml



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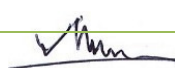
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			685)	
66		Total Coliform	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
67		Total Coliform	BD-FOOD-MB-SOP-024-01(Based on SM-PR-681)	≥1cfu/100 ml
68		Fecal Coliform-	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
69		<i>E. coli</i>	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
70		<i>E. coli</i>	BD-FOOD-MB-SOP-024-01(Based on SM-PR-681)	≥1cfu/100 ml
71		Enterobacteriaceae (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5 th Edition (APHA) Ch. 8 (8.62)	≥10 cfu/g
72		Yeast & Mold (enumeration)	FDA-BAM on line April'2001, Chapter-18	≥10 cfu/g
73		Yeast & Mold (enumeration)	BD-FOOD-MB-SOP-025-01(Based on SM-PR-688)	≥1cfu/20 ml
74		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March -2016 chapter-12	>3 MPN/g
75		<i>Salmonella</i> <i>Spp</i> (Detection)	USFDA BAM online June -2021 chapter-5	Present/Absent per 25 g
76		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM online chapter-10 Mar-2017	Present/Absent per 25 g
77		Total Plate count	FDA-BAM online Jan'2001, Chapter-3 Conventional plate count method for the detection of microorganism	≥1cfu/ml
78	Fruit Juice	Total Coliform	FDA-BAM on line October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
79		Fecal Coliform	FDA-BAM on line October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
80		<i>E. coli</i>	FDA-BAM on line October -2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g



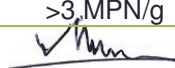
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81		Enterobacteriaceae (enumeration)	Compendium of Methods for the Microbiological examination of Foods 5th Edition (APHA) Ch. 8 (8.62)	≥10 cfu/g
82		Yeast & Mold (enumeration)	FDA-BAM on line April'2001, Chapter-18	≥10 cfu/g
83		<i>Staphylococcus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



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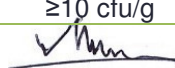
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97		Fecal Coliform	2020, Chapter-4 Enumeration of coliform by MPN method FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN method	>3 MPN/g
98		<i>E. coli</i>	FDA-BAM on line October-2020, Chapter-4 Enumeration of coliform by MPN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


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			Chapter-18	
111		<i>Staphylococcus aureus</i> enumeration	USFDA BAM online March - 2016 chapter-12	>3 MPN/g
112		Salmonella spp (Detection)	USFDA BAM online June - 2021 chapter-5	Present/Absent per 25 g
113		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM online chapter-10 Mar-2017	Present/Absent per 25 g
114	Environmental Surfaces Swab	Salmonella spp (Detection)	USFDA BAM online June -2021 chapter-5	Present/Absent per Swab
115		<i>Listeria monocytogenes</i> (Detection)	USFDA BAM online chapter-10 Mar-2017	Present/Absent per Swab
116		Total Plate count	APHA 23rd' Edition 2017(9215.B)	≥1 cfu/ml
117	Drinking Water	Total Coliform	APHA 23rd Edition 2017 (9221.B)	1.8 -1600 MPN/100 ml
118		Fecal Coliform	APHA 23rd Edition 2017 (9221.E)	1.8 -1600 MPN/100 ml
119		<i>E. coli</i>	APHA 23 rd EDN. 2017 (9221E& 9221G-2)	1.8 -1600 MPN/100 ml
120		Total Coliform	APHA 23rd Edition 2017 (9221.B)	1.8 -1600 MPN/100 ml
121	Waste Water	Total Coliform	USEPA 91322	20-200 cfu/100ml
122		Fecal Coliform	APHA 23 rd Edition 2017 (9221.E)	1.8 -1600 MPN/100 ml

END



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