



ACCREDITATION CERTIFICATE

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

PRAN Quality Control Laboratory

PRAN Group

Ghorashal, Polash, Narshingdi, 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 : 01.026.15
Accreditation Date : 18 August 2015
Date of Issuance : 26 August 2025 (3rd Renewal)
Date of Expiration : 17 August 2027



[Signature]
26.08.2025
M. A. Kamal Billah
Director General

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address:	PRAN Quality Control Laboratory, PRAN Group Ghorashal, Polash, Narshingdi, Bangladesh	Accreditation Date:	18 August, 2015
Accreditation Standard:	ISO/IEC 17025:2017	Issued on:	26 August 2025
Certificate Number:	01.026.15	Valid until:	17 August, 2027
Last Amended on:	NA		
Amendment no:	NA		

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				
1.	Fruit Drink/Juice/Syrup/ Flavoured Drink/Souces/ Carbonated Beverage/ Energy Drink	Determination of pH	Method: AOAC 981.12	2 to 6
2.		Determination of ° Brix	Instrumental Manual	° Brix 0 to 80
3.		Determination of Total Acidity	Method: AOAC 942.15, APHA	Max. 1.2
4.		Determination of Sulfur dioxide	BDS 1581, AOAC 963.11	3 to 120 mg/l
5.		Determination of Benzoic acid	ISO 22855	1 to 600 mg/l
6.		Determination of Sorbic acid	ISO 22855	1 to 600 mg/l
7.		Determination of Total Sugar	Lane - Eynon	0 to 600 %
8.	Carbonated Beverage/Coffee/ Energy Drink	Determination of Caffeine	AOAC Official Method 979.08; ISO 20481	1 to 600 mg/l
9.	Bakery & Snacks Items (Biscuits, Cake, Wafer, Cookies, Bread, Chips/ Crackers, Chanachur,)	Determination of Moisture Content	Instrumental Manual	NA
10.		Determination of Ash (Total)	BDS-383:2011, ISO 1575	0.005 to 10 %
11.		Determination of Insoluble Ash	BDS-383, ISO 1577	0.005 to 10 %
12.		Determination of Total Fat Content	BDS-383:2011 & BDS 1564:1997	0.05 to 30 %
13.		Determination of Acidity of Extracted Fat	IS 12711, AOAC 939.05	0.05 to 1.5 %
14.		Determination of Peroxide Value	IS 12711, AOAC 965.33	Max. 20 meq/kg fat
15.		Determination of Acid Value of extracted fat	ISO 660:2020, AOAC 940.28	0.05 to 2 %
16.		Determination of Crude Fibre Content	IS12711, ISO 6865, BDS 382	0.01 to 3 g/100g
17.		Determination of Total Solid Content	IS 12711, BDS 382	NA
18.		Determination of pH of Aqueous Extract	AOAC 981.12, IS 12711	5 to 6
19.	Confectionary Items	Determination of Moisture	Instrumental Manual, BDS 383	NA
20.		Determination of Sulphated Ash	BDS 490, ISO 5809	0.05 to 12 %
21.		Determination of Acid Insoluble Ash	BDS-490, IS 6287, ISO 1577	0.001 to 4 %
22.		Determination of Sulfur dioxide	AOAC 963.11	0 to 350 mg/kg
23.	Treated/ Drinking Water	Determination of pH	ISO-10523:2012	2 to 10
24.		Determination of TDS	ASTM D 5907, Instrumental	0 to 700 mg/l

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25.		Determination of Iron (Fe)	USEPA Ferrover Method 8008	0 to 3 mg/l
26.		Determination of Hardness	USEPA Man Ver 2 Buret Titration Method 8226	0 to 500 mg/l
27.		Determination of Alkalinity	USEPA Burette Titration Method 8221	0 to 500 mg/l
28.		Determination of Free Chlorine (Cl)	USEPA DPD Method 8021, ISO 7393	0 to 8 mg/l
29.		Determination of Turbidity	Instrumental Manual, ISO 7027	0 to 10 NTU
30.		Determination of Nitrate	HACH Method 8039	Max. 60 mg/l
31.		Determination of Nitrite	HACH Method 8153	0 to 1 mg/l
32.		Determination of Fluoride	USEPA SPADNS Method ¹ 8029	0 to 2 mg/l
33.		Determination of Chloride	HACH Method 8225	0 to 500 g/l
34.	Edible Oil/ Fat	Determination of Moisture Content	Instrumental Manual	NA
35.		Determination of Free Fatty Acid	AOAC 940.28	Max. 1 %
36.		Determination of Acid Value of extracted fat	ISO 660:2020, AOAC 940.28, IS 548	0.05 to 3%
37.		Determination of Peroxide Value	AOAC 965.33, ISO 3960:2017	Max. 10 meq O ₂ /kg
38.		Determination of Iodine Value	AOAC 920.159, ISO 3961:2018	30 to 150 %
39.	Raw Meat & Cooked Meat	Determination of Tetracycline	PDyL-LAC-QC-SOP- 091	0 to 120 mg/l
Field: Microbiological Test				
40.	Treated/ Drinking Water	Enumeration of Culturable microorganisms	ISO 6222	Min 1 cfu/ ml
41.		Enumeration of Coliform colony ISO 4832	ISO 9308-1	Min 1 cfu/ 100 ml
42.		Enumeration of <i>Escherichia coli</i> colony	ISO 9308-1	Min 1 cfu/ 250 ml
43.		Detection of <i>Salmonella</i> spp.	ISO 19250	Absent or Present/ 100 ml
44.		Enumeration of Fecal Coliform Count	BDS 1877	Min 1 cfu/ 100 ml
45.		Enumeration of Yeast & Mould	ISO 8199 & ISO 21527-1&2	Min 1 cfu/ 250 ml
46.		Detection of <i>Shigella</i> spp.	ISO 21567	Absent or Present/ 250 ml
47.	Bakery, Confectionary,	Enumeration of Aerobic Plate	ISO 4833	Min 1 cfu/ gm or ml

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48.	Dried Fruit product, Spice, Seasoning, Milk Product, Frozen Food, Fruit Drink/ Juice & Artificial Flavored Drink samples	Count		
49.		Enumeration of Total Coliform Count	ISO 4832	Min 1 cfu/ gm or ml
50.		Enumeration of Yeast & Mould Count	ISO 21527-1 & 2	Min 1 cfu/ gm or ml
51.		Enumeration of <i>Escherichia coli</i> colony	ISO 16649	Min 1 cfu/ gm or ml
52.		Enumeration of <i>Staphylococcus aureus</i> (Coagulase+)	ISO 6888-1	Min 1 cfu/ gm or ml
53.		Detection of <i>Salmonella</i> spp.	ISO 6579	Absent or Present/ 25gm
54.		Enumeration of <i>Bacillus cereus</i>	ISO 7932	Min 1 cfu/ gm or ml
55.		Detection & Enumeration of <i>Listeria monocytogenes</i>	ISO 11290- 1 & 2	Absent or Present/ 25gm
56.		Enumeration of Fecal Coliform	BDS 1877	Min 1 cfu/ gm or ml
57.	Milk & Milk Products	Detection of <i>Shigella</i> spp.	ISO 21567	Absent or Present/ 25gm
58.		Enumeration of Yeast & Mould Count	ISO 6611 & 21527	Min 1 cfu/ gm or ml
59.		Enumeration of Psychrotrophic Bacteria Count	Tetra Pak, ISO 17410 & ISO 8552	Min 1 cfu/ gm or ml
60.		Enumeration of Thermo- resistant Mesophilic spore	Tetra Pak	Min 1 cfu/ gm or ml
		Enumeration of Thermo- resistant Thermophilic spore	Tetra Pak	Min 1 cfu/ gm or ml

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