



ACCREDITATION CERTIFICATE

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

Analytical Chemistry Laboratory

Chemistry Division, Atomic Energy Centre

4 Kazi Nazrul Islam Avenue, Ramna, Dhaka-1000, 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 : 01.018.15
Accreditation Date : 01 March 2015
Date of Issuance : 23 February 2021
Date of Expiration : 28 February 2021



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.



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SCOPE OF ACCREDITATION (For Testing Laboratory)

CAB Name & Address: Analytical Chemistry Laboratory
Chemistry Division, Atomic Energy Centre
4, Kazi Nazrul Islam Avenue, Shahbag, Dhaka-1000, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017 **Accreditation Date:** 01 March 2015

Certificate Number: 01.018.15 **Issued on:** 23 February 2021


Last Amended on: NA **Valid until:** 28 February 2021

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	Water	Lead (Pb) Cadmium (Cd) Chromium (Cr) Copper (Cu) Iron(Fe) Manganese (Mn) Zinc (Zn) Nickel (Ni) Cobalt (Co) Calcium (Ca) Magnesium (Mg) Sodium (Na) Potassium (K)	ACL-TMSOP-04* (Flame-AAS)	0.5-2.5 mg/L / 8 µg/L 0.1-1.0 mg/L / 1 µg/L 0.25-2.0 mg/L / 11 µg/L 0.2-2.0 mg/L / 5 µg/L 1.0-4.0 mg/L / 15 µg/L 0.2-2.0 mg/L / 5 µg/L 0.1-0.4 mg/L / 8 µg/L 0.5-6.0 mg/L / 8 µg/L 0.2-2.0 mg/L / 5 µg/L 1.0-10 mg/L / 0.15 mg/L 0.1-0.4 mg/L / 0.025 mg/L 0.1-0.8 mg/L / 0.03 mg/L 0.2-2.0 mg/L / 0.05 mg/L
2	Water	Arsenic (As)	ACL-TMSOP-05* Hydride Generation-AAS	1.0-10 µg/L / 2 µg/L
3	Water	Mercury (Hg)	ACL-TMSOP-06* Cold Vapor-AAS	2.5-20 µg/L / 0.3 µg/L
4	Fish	Lead (Pb) Cadmium (Cd) Chromium (Cr)	ACL-TMSOP-01* Graphite Furnace-AAS	15-75 µg/L / 0.06 mg/Kg 1.0-6.0 µg/L / 0.01 mg/ Kg 4-20 µg/L / 0.05 mg/ Kg
5	Fish	Arsenic (As)	ACL-TMSOP-02* Hydride Generation-AAS	1.0-10 µg/L / 0.08 mg/ Kg
6	Fish	Mercury (Hg)	ACL-TMSOP-03* Cold Vapor-AAS	2.5-20 µg/L / 0.02 mg/ Kg
7	Shrimp	Lead (Pb) Cadmium (Cd) Chromium (Cr)	ACL-TMSOP-01* Graphite Furnace-AAS	15-75 µg/L / 0.1 mg/ Kg 1.0-6.0 µg/L / 0.06 mg/ Kg 4.0-20 µg/L / 0.08 mg/ Kg
8	Shrimp	Arsenic (As)	ACL-TMSOP-02* Hydride Generation-AAS	1.0-10 µg/L / 0.1 mg/ Kg
9	Shrimp	Mercury (Hg)	ACL-TMSOP-03* Cold Vapor-AAS	2.5-20 µg/L / 0.03 mg/ Kg
10	Feed	Lead (Pb) Cadmium (Cd) Chromium (Cr)	ACL-TMSOP-31* Graphite Furnace-AAS	15-75 µg/L / 0.12 mg/ Kg 1.5-6.0 µg/L / 0.02 mg/ Kg 4-20 µg/L / 0.03 mg/ Kg
11	Feed	Arsenic (As)	ACL-TMSOP-32* Hydride Generation-AAS	1.0-10 µg/L / 0.02 mg/ Kg
12	Milk	Lead (Pb)	ACL-TMSOP-34* Graphite Furnace-AAS	15-75 µg/L / 0.006 mg/kg

*Laboratory Developed Method

END


Quality Manager