



Valid from 14 October 2020  
to 13 October 2023  
Issued on 14 October 2020

As an accredited laboratory, this laboratory is entitled to  
use the following accreditation symbol.



ISO/ IEC 17025  
TL 064-02

## Schedule of Accreditation

Accreditation Scheme for Testing Laboratories  
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 064-02

### Environmental Laboratory Services National Building Research Organisation

No 99/1, Jawatta Road, Colombo 05

**Scope of Accreditation:** Performing Chemical Testing on Water and Wastewater based  
on APHA methods & Cement base on SLS methods

The laboratory is accredited for the following tests.

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
1.1	Water & Wastewater	pH	APHA 4500-H <sup>+</sup> , Electrometric method, 23 <sup>rd</sup> Ed.: 2017	0 - 13 mg/l
1.2		Chlorides as Cl <sup>-</sup>	APHA 4500- Cl <sup>-</sup> , Argentometric method, 23 <sup>rd</sup> Ed.: 2017	0.5 mg/l
1.3		Hardness as CaCO <sub>3</sub>	APHA 2340-C, EDTA Titrimetric method: 23 <sup>rd</sup> Ed.: 2017	>2 mg/l
1.4		Alkalinity as CaCO <sub>3</sub>	APHA 2320, EDTA Titration method: 23 <sup>rd</sup> Ed.: 2017	>0.5 mg/l
1.5		Chemical Oxygen Demand (COD-Open) - High	APHA 5220 B 4a, Open reflux method, 23 <sup>rd</sup> Ed.: 2017	>50mgO <sub>2</sub> /l
1.6		Chemical Oxygen Demand (COD-Open) - Low	APHA 5220 B 4b, Open reflux method, 23 <sup>rd</sup> Ed.: 2017	4-50mgO <sub>2</sub> /l
1.7		Biological Oxygen Demand (BOD <sub>5</sub> ) at 20°C	APHA 4500 O & 5210 B, 5 day BOD test method, 23 <sup>rd</sup> Ed.: 2017	>10 mg/l
1.8		Total Solids	APHA 2540 B, Dried at 103-105°C, 23 <sup>rd</sup> Ed.: 2017	>2 mg/l
1.9		Total Dissolved Solids (TDS)	APHA 2540 C, Total dissolved solids dried at 180°C, 23 <sup>rd</sup> Ed.: 2017	>2 mg/l
1.10		Total Suspended Solids (TSS)	APHA 2540 D, Dried at 103-105°C, 23 <sup>rd</sup> Ed.: 2017	>2 mg/l
1.11		Dissolved reactive Phosphates as P	APHA 4500-P, Stannous Chloride Method, 23 <sup>rd</sup> Ed.: 2017	0.1 mg/l

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
1.12	Water & Wastewater	Total Phosphates as PO <sub>4</sub> <sup>3-</sup>	APHA 4500-P, Stannous Chloride Method, 23 <sup>rd</sup> Ed.: 2017	0.1 mg/l
2.1	Cement	Chlorides as CL <sup>-</sup>	SLS ISO 29581-1:2011, Clause 14	0.004 – 0.170 % m/m
2.2		Loss on Ignition (LOI)	NBRO/ESSD/MM/MQ/C/04	0.1 – 50.0% m/m
2.3		Insoluble residues (IR)	SLS ISO 29581-1:2011, Clause 7	0.1 – 50.0 % m/m
2.4		Sulphates as SO <sub>4</sub> <sup>2-</sup>	NBRO/ESSD/MM/MQ/C/01	0.2 – 17.0 % m/m

Director / CEO

Sri Lanka Accreditation Board for Conformity Assessment