



Valid from 15 March 2023
to 14 January 2024
Issued on 15 March 2023

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



ISO/IEC 17025
TL 052- 01

Schedule of Accreditation

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

Accreditation Number: TL 052-01

Regional Laboratory-Western Production (Ambathale)
National Water Supply & Drainage Board
Udumulla Road
Mulleriyawa New Town

Scope of Accreditation: Performing sampling and chemical testing on water, alum and lime as per SLS and APHA methods.

The laboratory is accredited for the tests in page 02.

SI	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed (eg: xxx: 2016)	Range of testing/ Limits of detection	
01	Raw water & Treated Water and private samples	pH at 25 ± 2 °C	APHA 4500-H ⁺ B 23 rd Edition	2-12	
		Electrical Conductivity (µS/cm)	APHA 2510 B 23 rd Edition	1.5-2000	
		Turbidity (NTU)	APHA 2130 B 23 rd Edition	0.10-9.99	
				10.0-20.9	
				21.0-100	
		Chloride (as Cl ⁻) (mg/l)	APHA 4500 Cl ⁻ B 23 rd Edition	>2	
		Total Hardness (as CaCO ₃), (mg/l)	APHA 2340 C 23 rd Edition	3-400	
		Total Alkalinity (as CaCO ₃), (mg/l)	APHA 2320 B 23 rd Edition	>3	
		Total Iron (as Fe), (ppm)	APHA 3500 -Fe-B 23 rd Edition	0.04 - 10.0	
		Total Phosphate (as PO ₄ ³⁻), (ppm)	APHA 4500 - P, B & D 23 rd Edition	0.1-5.0	
		Nitrate (as NO ₃ ⁻), (mg/l)	APHA 4500 - NO ₃ ⁻ B 23 rd Edition	0.1 -10.0	
Fluoride (as F ⁻), (mg/l)	APHA 4500 - F ⁻ - D 23 rd Edition	0.10 -1.40			
	Sampling of Water	APHA 1060 B & C 23 rd Edition	N/A		
02	Lime	Available Ca(OH) ₂ , (dry basis) percent by mass	SLS 1577:2017 Appendix D	2.0-99.0	
		Free Water content per cent by mass	SLS 1577:2017 Appendix C	0.1-5.0	
		Basicity Factor	SLS 1577:2017 Appendix E	0.1-1.4	
		Particle Size a) % passed through 600µm sieve b) % passed through 75µm sieve	SLS 1577:2017 Appendix B	1.0-100.0	
				1.0-100.0	
		Magnesium Oxide (as MgO) present by mass	SLS 1577:2017 Appendix G	0.2-5.0	
			Sampling of Lime	SLS 1577:2017 Appendix A	N/A
03	Alum	Determination of Water-soluble Aluminium Sulfate, as Al ₂ O ₃ , percent by mass	SLS 1535 :2016 Appendix C	10.0 – 35.0	
		Determination of Iron as Fe, percent by mass	SLS 1535 :2016 Appendix G-1	0.02-5.0	
			SLS 1535 :2016 Appendix G-2	<0.06	
		Determination of Water insoluble matter, percent by mass	SLS 1535 :2016 Appendix D	0.02-5.0	
		pH at 27 ±2 °C	SLS 1535 :2016 Appendix E	2.0 -12.0	
		Determination of Ammonical Nitrogen (as N) mg/kg	SLS 1535 :2016 Appendix H	1 -300	
		Lead (as Pb), mg/kg	SLS 1535 :2016 Appendix F	>1	
		Manganese (as Mn). mg/kg	SLS 1535 :2016 Appendix F	>1	
		Cadmium (as Cd), mg/kg	SLS 1535 :2016 Appendix F	> 0.1	
		Chromium (as Cr), mg/kg	SLS 1535 :2016 Appendix F	>1	
		Determination of Lump passing through 40mm sieve, percent by mass	SLS 1535 :2016 Appendix B-1	1-100	
			Sampling of Alum	SLS 1535 :2016 Appendix A	N/A