

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



Valid from 15 January 2024
to 14 January 2028
Issued on 19 July 2024



ISO/IEC 17025
TL 052-01

Schedule of Accreditation

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

Accreditation Number: TL 052-01

Regional Laboratory-Western Production (Ambatale)
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 the test methods appearing in this schedule.

The laboratory is accredited for the tests indicated in page 02;

	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 24 th Edition	2-12
		Electrical Conductivity (µS/cm)	APHA 2510 B 24 th Edition	1.5-2000
		Turbidity (NTU)	APHA 2130 B 24 th Edition	0.10-9.99
				10.0-20.9
				21.0-100
		Chloride (as Cl ⁻) (mg/l)	APHA 4500 Cl ⁻ B 24 th Edition	>2
		Total Hardness (as CaCO ₃), (mg/L)	APHA 2340 C 24 th Edition	3-400
		Total Alkalinity (as CaCO ₃), (mg/L)	APHA 2320 B 24 th Edition	>3
		Total Iron (as Fe), (ppm)	APHA 3500 -Fe-B 24 th Edition	0.04 -10.0
		Total Phosphate (as PO ₄ ³⁻), (ppm)	APHA 4500 - P, B & D 24 th Edition	0.1-5.0
Nitrate (as NO ₃ ⁻), (mg/L)	APHA 4500 - NO ₃ B 24 th Edition	0.1 -10.0		
Fluoride (as F ⁻), (mg/L)	APHA 4500 - F ⁻ - D 24 th Edition	0.10 -1.40		
	Sampling of Water	APHA 1060 B & C 24 th 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 percent by mass	SLS 1577:2017 Appendix C	0.1-10.0
		Basicity Factor	SLS 1577:2017 Appendix E	0.10-1.40
		Particle Size a) % passed through 600µm sieve, percent by mass	SLS 1577:2017 Appendix B	10.0-100.0
				b) % passed through 75µm sieve, percent by mass
		Magnesium Oxide (as MgO) present by mass	SLS 1577:2017 Appendix G	0.1-10.1
		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	0.03-5.00
		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		