

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



Valid from 08 April 2017
to 07 April 2018
Issued on 09 August 2017



ISO/ IEC 17025
TL 006-01

Schedule of Accreditation

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

Accreditation Number: TL 006-01

Chemical Laboratory
Lindel Industrial Laboratories Limited
Pattiwila Road
Sapugaskanda
Makola

Scope of Accreditation: Performing Chemical Testing on Products Categories of Petroleum Products (Fuel Oil, Furnace Oil and Diesel), Water (Potable Water, Waste Water, Sewage and Effluent) as per the Test Methods appearing in this Schedule.

The laboratory is accredited for the tests given in page 02 & 03.

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
01	Fuel Oil, Furnace Oil and Diesel	Density at 15 °C (kg/m ³)	ASTM D 1298- 12b : 2012	800.0 – 1000.0
		Viscosity (kinematic) at 50 °C	ASTM D 445-12: 2012 (IP 71/1/97)	1.000 – 5.000 5.0 – 450.0
		Water Content (% V/V)	ASTM D 95-13: 2013	0.02 – 1.00 1.0 – 10.0 10.0 – 40.0
		Ash (% m/m)	ASTM D 482-13: 2013	0.002 – 5.000
		Conradson Carbon Residue (% m/m)	ASTM D 189-06 (Re approved 2010) (IP 13 / 94)	0.10 – 10.0 10.0 & above
		Sediments by Extraction % (m/m)	ASTM D 473-07 : 2007 (IP 53/82)	0.01 – 5.00
		Pour Point (°C)	ASTM D 97-11 (IP 15/95)	(-30) – (+110)
		Flash point (°C)	ASTM D 93-13 (IP 34/99)	25 – 110 110 - 300
		Sulphur (% m/m)	ASTM D 129-13 (IP 61/99)+APHA 4500-SO ₄ ⁻ E 22 nd Edition	0.10 – 2.00
02	Potable Water	Alkalinity (mg/l)	APHA 2320 B – 22 nd Edition	2.0 – 200.0
		Chemical Oxygen Demand (COD) (mg/l)	APHA 5220 D – 22 nd Edition Vial Method	5 – 150
		Conductivity (µS/cm)	APHA 2510 B– 22 nd Edition	10– 150(µS/cm) 151-1500(µS/cm) 1.51-12.88(mS/cm)
		Hardness (mg/l)	APHA 2340 C – 22 nd Edition	5 – 50
		Nitrate (mg/l)	APHA 4500 NO ₃ ⁻ B– 22 nd Edition	0.10 – 2.00
		pH	APHA 4500 H ⁺ B – 22 nd Edition	3.0 – 11.0
		Temperature (°C)	APHA 2550 B – 22 nd Edition	10.0 – 50.0
		Total Dissolved Solids (TDS) (mg/l)	APHA 2540 C – 22 nd Edition	15-50 51-500
		Total Solids(TS) (mg/l)	APHA 2540 B – 22 nd Edition	15-50 51-500
		Total Suspended Solids (TSS) (mg/l)	APHA 2540 D – 22 nd Edition	15-100
Copper (Cu)	APHA 3113 B – 22 nd Edition	0.2-5.0		

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
03	Waste Water	Chemical Oxygen Demand (COD) (mg/l)	APHA 5220 D 22 nd Edition Vial Method	5 – 150 151 - 1500
		Conductivity (μS/cm)	APHA 2510 B 22 nd Edition	10-150 (μS/cm) 151-1500 (μS/cm) 1.51-12.88 (mS/cm)
		pH	APHA 4500 H ⁺ B 22 nd Edition	3.0-11.0
		Temperature (°C)	APHA 2550 B 22 nd Edition	10.0 – 50.0
		Total Dissolved Solids (TDS) (mg/l)	APHA 2540 C 21 st Edition	50-250 251-4000
		Total Solids (TS) (mg/l)	APHA 2540 B 21 st Edition	50-250 251-4000
		Total Suspended Solids (TSS) (mg/l)	APHA 2540 D 21 st Edition	15 – 100 101 - 500
		Copper (Cu)	APHA 3113 B 21 st Edition	0.2 – 5.0
		Oil & Grease	APHA 5520B 22 nd Edition	10-50 ppm 4-9 ppm
		Biological Oxygen Demand (BOD ₅)	APHA 5210B 22 nd Edition	10-30 ppm 31-500 ppm
04	Potable water & Waste Water (On site)	pH	APHA 4500 H ⁺ B 22 nd Edition	3.0 – 11.0
		Temperature (°C)	APHA 2550 B 22 nd Edition	10.0 – 50.0
		Conductivity (μS/cm)	APHA 2510 B 22 nd Edition	10-150 (μS/cm) 151-1500 (μS/cm) 1.51-12.88 (mS/cm)

Deputy Director (Accreditation)
Sri Lanka Accreditation Board for Conformity Assessment