



Valid from 08 April 2014  
to 07 April 2017  
Issued on 04 June 2015

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



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 following tests.

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	Uncertainty (±) ( % )
01	Fuel Oil, Furnace Oil and Diesel	Density at 15 °C (kg/m <sup>3</sup> )	ASTM D 1298- 12b : 2012	800.0 – 1000.0	0.5
		Viscosity (Kinematic) at 50 °C (cSt )	ASTM D 445-12: 2012 / IP 71/1/97	1.500 – 5.000 5.0 – 450.0	0.006 0.6
		Water Content (% V/V)	ASTM D 95-13: 2013	0.05 – 1.00 1.0 – 10.0 10.0 – 40.0	0.01 0.1 0.8
		Ash (% m/m)	ASTM D 482-13: 2013 / IP 4 /96	0.002 – 5.000	0.002
		Conaradson Carbon Residue (% m/m)	ASTM D 189-05 :2005 / IP 13 / 94	0.10 – 10.0 10.0 & above	0.01 0.1
		Sediments by Extraction % (m/m)	ASTM D 473-07 : 2007 ( re approved 2012) / IP 53/82	0.01 – 5.00	0.01
		Pour Point (°C)	ASTM D97-05 a: 2005 /IP 15/95	(-30) – (+110)	1
		Flash point (°C)	ASTM D 93-13 :2013 / IP 34/99	25 – 110 110 - 300	1 2
		Sulphur (% m/m)	ASTM D 129-13 / (IP61/99) +APHA 21 <sup>ST</sup> ed.	0.1 – 2.00	0.1

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	Uncertainty (±) ( % )
02	Potable water	Alkalinity (mg/l)	APHA 2320 B – 21 <sup>st</sup> Edition	1.0 – 200.0	1.2
		Chemical Oxygen Demand (COD) (mg/l)	APHA 5220 D – 21 <sup>st</sup> Edition Vial Method	5 – 150 150 - 1500	3 21
		Conductivity (µS/cm)	APHA 2510 B– 21 <sup>st</sup> Edition	10– 150(µs/cm) 150-1500(µs/cm) 1.50-12.88(mS/cm)	7 15 0.13
		Hardness (mg/l)	APHA 2340 C – 21 <sup>st</sup> Edition	3.0 – 250.0	0.6
		Nitrate (mg/l)	APHA 4500 NO <sub>3</sub> <sup>-</sup> B– 21 <sup>st</sup> Edition	0.05 – 2.00	0.05
		pH	APHA 4500 H <sup>+</sup> B – 21 <sup>st</sup> Edition	0.1 – 13.9	0.1
		Temperature (°C)	APHA 2550 B – 21 <sup>st</sup> Edition	-10.0 – 100.0	0.3
		Total Dissolved Solids (TDS) (mg/l)	APHA 2540 C – 21 <sup>st</sup> Edition	10– 22500	10
		Total solids(TS) (mg/l)	APHA 2540 B – 21 <sup>st</sup> Edition	4 – 7200	4
		Total Suspended Solids(TSS) (mg/l)	APHA 2540 D – 21 <sup>st</sup> Edition	1 – 50 51 - 300	1 5
		Copper (Cu)	APHA 3113 B – 21 <sup>st</sup> Edition	0.02 – 3.00	0.01
03	Waste Water	Chemical Oxygen Demand (COD) (mg/l)	APHA 5220 D – 21 <sup>st</sup> Edition Vial Method	5 – 150 150 - 1500	3 18
		Conductivity (µS/cm)	APHA 2510 B – 21 <sup>st</sup> Edition	12– 1999 (µs/ cm)	0.5
		pH	APHA 4500 H <sup>+</sup> B – 21 <sup>st</sup> Edition	0.14 – 13.86	0.10

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	Uncertainty (±) (%)
03	Waste Water	Temperature ( °C)	APHA 2550 B– 21 <sup>st</sup> Edition	-10.0 – 100.0	0.3
		Total Dissolved Solids (TDS) (mg/l)	APHA 2540 C – 21 <sup>st</sup> Edition	10– 22500	10
		Total solids(TS) (mg/l)	APHA 2540 B – 21 <sup>st</sup> Edition	4 – 7200	4
		Total Suspended Solids(TSS) (mg/l)	APHA 2540 D – 21 <sup>st</sup> Edition	1 – 50 51 - 300	1 5
		Copper (Cu)	APHA 3113 B – 21 <sup>st</sup> Edition	0.02 – 3.00	0.01
04	Potable water & Waste Water ( At site )	pH	APHA 4500 H <sup>+</sup> B – 21 <sup>st</sup> Edition	0.1 – 13.9	0.1
		Temperature ( °C)	APHA 2550 B – 21 <sup>st</sup> Edition	-10.0 – 100.0	0.3
		Conductivity (µS/cm)	APHA 2510 B – 21 <sup>st</sup> Edition	10– 150(µs/cm) 150-1500(µs/cm) 1.50- 12.88(mS/cm)	7 15 0.13