



Valid until 07 April 2014
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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) and Water (Sewage, Effluent & Waste Water) 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 (\pm)
01	Fuel Oil, Furnace Oil and Diesel	Density at 15 °C (kg/m ³)	ASTM D 1298-99 (1999)/ (re-approved 2005) IP 160-99 (1999)	800.00 – 1000.00	0.25 kg/ m ³
		Viscosity (Kinematic) at 50 °C (cSt)	ASTM D 445-09 (2009)/ IP 71-97(1997)	1.500 – 5.000 5.0 – 450.0	0.003 cSt 0.6 cSt

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 (±)
01	Fuel Oil, Furnace Oil and Diesel	Water Content (% V/V)	ASTM D 95-05(2005) / IP 74 -82 (1982)	0.100– 0.900 0.91 – 10.00	0.006 % V/V 0.06 % V/V
		Ash (% m/m)	ASTM D 482-07 (2007) / IP 4 -96 (1996)	0.0010 – 90.0000	0.0005 % m/m
		Conradson Carbon Residue (% m/m)	ASTM D 189-06 (2006)/ IP 13 – 94 (1994)	0.20 – 88.00	0.10 % m/m
		Sediments by Extraction (% m/m)	ASTM D 473-07(2007) / IP 53-82 (1982)	0.010 – 85.000	0.005 (% m/m)
		Pour Point (°C)	ASTM D97-09 (2009)/IP 15/95 (1995)	-30.00 – 110.00	0.50 °C
		Flash point (°C)	ASTM D 93-10 (2010) / IP 34-99 (1999)	60.0 – 300.0	0.3 °C
		Asphalteness (%)	IP 143/82 (1982)	0.15 – 90.00	0.05 %
		Sulphur (% m/m)	ASTM D 129-00 (2000)/ IP61/99 (1999) +APHA 21 ST ed.	0.10 – 3.00	0.10 % m/m
02	Water, Sewage, Effluent & Waste Water (At permanent Facility)	Alkalinity (mg/ L)	APHA 2320 B 21 ST ed.	1.0 – 200.0	0.3 mg/ L
		Chemical Oxygen Demand(COD) (mg/ L)	APHA 5220 B Vial Method 21 ST ed.	6 – 250 251 – 500 0 – 150 150 - 1500	6 mg/ L 7 mg/ L 3 mg/ L 18 mg/ L
		Conductivity (µS/cm)	APHA 2510 B 21 ST ed.	12– 1999	0.5 µS/cm
		Hardness (mg/ L)	APHA 2340 C 21 ST ed.	3.0 – 250.0	0.6 mg/ L
		Nitrate (mg/ L)	APHA 4500 NO ₃ ⁻ 21 ST ed.	0.05 – 2.00	0.05 mg/ L
		pH	APHA 4500 H ⁺ B 21 ST ed.	0.14 – 13.86	0.10
		Temperature (°C)	APHA 2550 B 21 ST ed.	-10.0 – 100.0	0.3 °C
		Total Dissolved Solids (TDS) (mg/ L)	APHA 2540 C 21 ST ed.	10– 22500	10 mg/ L
		Total solids(TS) (mg/ L)	APHA 2540 B 21 ST ed.	4 – 7200	4 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	Uncertainty (±)
02	Water, Sewage, Effluent & Waste Water	Total Suspended Solids(TSS) (mg/L)	APHA 2540 D 21 ST ed.	1 – 50 51 - 300	1 mg/L 1 mg/L
	(At Permanent Facility)	Copper (Cu) mg/ L	APHA 3113 B 21 ST ed.	0.02 – 3.00	0.01 mg/ L
03	Water, Sewage, Effluent & Waste Water (At Site)	pH	APHA 4500 H ⁺ B 21 ST ed.	0.14 – 13.86	0.10
		Temperature (°C)	APHA 2550 B 21 ST ed.	-10.0 – 100.0	0.3 °C
		Conductivity (µS/cm)	APHA 2510 B 21 ST ed.	12 – 1999	0.5 µS/cm

Director /CEO
Sri Lanka Accreditation Board for Conformity Assessment