



Valid from 31 December 2025
to 30 December 2029
Issued on 31 December 2025

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



ISO/ IEC 17025
TL 146-01

Schedule of Accreditation

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

Accreditation Number: TL 146-01

Ceylon Petroleum Corporation Laboratory,

Oil Refinery, Ceylon Petroleum Corporation, P.O. Box 11, Sapugaskanda, Kelaniya.

Scope of Accreditation: Performing Chemical Testing on petrol, diesel, aviation turbine fuel, kerosene, fuel oil and crude oil as per the test methods appearing in this schedule.

The laboratory is accredited for the following tests appearing this schedule;

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
Chemical testing				
1.1	Petrol (Including Naphtha and Platformate)	Density @ 15°C	ASTM D1298-24	650 - 800 kg/m ³ / 0.1
1.2		Research Octane Number (RON)	ASTM D2699-24b	80 - 100 / 0.3
1.3		Distillation	ASTM D86-23ae2	30 °C - 400 °C
1.4		Total Sulphur	ASTM D2622-24a	3 mg/kg - 1000 mg/kg / 3 mg/kg
1.5		Gum content	ASTM D381-25	0.5 - 8.0 mg/100 ml / 0.5
1.6		Oxygenate content	ASTM D4815-22	0.2 - 20 mass % / 0.2
1.7		Cu Strip corrosion 3 hrs @ 50°C	ASTM D130-19	1 - 4
1.8		Olefins content	ASTM D1319-20a	0.3 - 99 % v/v / 0.1
1.9		Sulfur content	ASTM D5453-25	0 - 10 ppm

2.1	Diesel	Density @ 15°C	ASTM D1298-24	800 – 900 kg/m ³ / 0.1
2.2		Colour ASTM	ASTM D1500-24	0.5 - 8
2.3		Distillation	ASTM D86-23ae2	30 °C - 400 °C
2.4		Sulphur Content	ASTM D2622-24a	1000 mg/kg – 3000 mg/kg / 3 mg/kg
2.5		Flash Point	ASTM D93-25	38 °C – 110 °C
2.6		Viscosity Kin @ 40°C	ASTM D445-24	0.2 – 10 cSt
2.7		Water Content	ASTM D95-23e1	0.05 % v/v – 25 % v/v
2.8		Cu-Strip Corrosion 3 hrs. At 50°C	ASTM D130-19	1 - 4
2.9		Ash	ASTM D482-19e1	0.001 – 0.180 % m/m
2.10		Carbon Residue	ASTM D4530-25	0 – 1 %m/m
2.11		Strong Acid No.	ASTM D664-24	< 0 mg KOH / g
2.12		Total Acid No.	ASTM D664-24	> 0.02 mg KOH / g
2.13		Cloud Point	ASTM D5773-21	(-60 °C) - (+40 °C)
2.14		Lubricity	ASTM D6079-24	200 - 500 µm
3.1	Jet A-1 (Aviation Turbine Fuel)	Saybolt Colour	ASTM D156-23	(+30) - (-16)
3.2		Particulate Contamination	ASTM D5452-23	0.01 - 1 mg/l
3.3		Total Acidity	ASTM D3242-23	0.000 - 0.100 mg/g KOH
3.4		Aromatics	ASTM D1319-20a	0.3 - 99 % v/v
3.5		Sulphur content	ASTM D2622-24a	3 mg/kg - 1000 mg/kg
3.6		Sulphur, Mercaptan	ASTM D3227-24	0.0003 - 0.01 % m/m
3.7		Distillation	ASTM D86-23ae2	30 °C - 400 °C
3.8		Flash point	ASTM D56-22	38 °C – 50 °C
3.9		Density, at 15°C	ASTM D1298-24	650 – 800 kg/m ³ / 0.1
3.10		Freezing point	ASTM D5972-25	(-80 °C) – (+ 20 °C)

3.11		Naphthalenes	ASTM D1840-24	0.03 - 4.25 % v/v
3.12		Corrosion Copper strip classification (2hours +/- 5 min. at 100°C +/-1°C)	ASTM D130-19	1 - 4
3.13		Thermal Stability (JFTOT)	ASTM D3241-24	0 to <4
3.14		Existent Gum	ASTM D381-25	0.5 - 8.0 mg/100 ml
3.15		Microseparometer (MSEP) rating	ASTM D3948-22	50 - 100
3.16		Electrical conductivity	ASTM D2624-24	0 - 1999 pS/m
4.1	Kerosene	Density @15°C	ASTM D1298-24	650 – 800 kg/m3/ / 0.1
4.2		Distillation	ASTM D86-23ae2	30 °C – 400 °C
4.3		Flash point	ASTM D56-22	38 °C – 50 °C
4.4		Sulphur content	ASTM D2622-24a	3 mg/kg – 1000 mg/kg
4.5		Copper Corrosion 2 hrs. @ 100 ° C	ASTM D130-19	1 - 4
5.1	Fuel oil	Density @15 °C	ASTM D1298-24	900 – 1000 kg/m3/ / 0.1
5.2		Flash Point (PMCC)	ASTM D93-25	38 °C – 110 °C
5.3		Pour Point	ASTM D97-17b (2022)	-12 °C - +45 °C
5.4		Sulphur Content	ASTM D2622-24a	1 % m/m – 4.6 % m/m
5.5		Viscosity Kinematic @ 50°C	ASTM D445-24	0.2 – 1000 cSt
5.6		Water content	ASTM D95-23e1	0.05 % v/v – 25 % v/v
5.7		Ash	ASTM D482-19e1	0.001 – 0.180 % m/m
5.8		Carbon Residue	ASTM D4530-25	0.10 % - 30 % m/m
5.9		Sediment by Extraction	ASTM D473-22	0.01 - 0.40 % m/m
5.10		Strong Acid No., KOH mg/g	ASTM D664-24	< 0 mg KOH / g
5.11		Asphaltene content	ASTM D6560-22	0.5 % - 30.0% mass

6.1	Crude Oil	Density	ASTM D1298-24	800 – 900 kg/m ³ / 0.1
6.2		Base Sediment & Water	ASTM D4007-22	0 – 50 % v/v
6.3		Sulphur Content	ASTM D2622-24a	1000 mg/kg – 10000 mg/kg

Acting Director / CEO
Sri Lanka Accreditation Board for Conformity Assessment