



Valid from 22 August 2024
to 19 March 2026
Issued on 22 August 2024

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



ISO/ IEC 17025
TL 116- 01

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: TL 116-01

LPG Testing Laboratory-Laugfs Terminal Ltd

Hambantota International Sea Port, Hambantota.

Scope of Accreditation: Performing Chemical Testing on LP Gas as per the ASTM Test
Methods appearing in this schedule.

The laboratory is accredited for the following tests as per given in the page 02.

Sl	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
01	LP Gas Composition analysis	Determination of Hydrocarbons in Liquefied Petroleum (LP) Gases and Propane/Propene Mixtures by Gas Chromatography	ASTM D2163-23e1	Hydrocarbons from C ₁ to C ₆ C ₁ -(0.01-5) % mol, V%, W% C ₂ -(0.01-10)% % mol, V%, W% C ₃ -(0.01-100)% % mol, V%, W% C ₄ -(0.01-100)% mol, V%, W% C ₅ -(0.01-10)% mol, V%,W%
02	LP Gas Liquid Density at 60F	Calculation of Certain Physical Properties of Liquefied Petroleum (LP) Gases from Compositional Analysis	ASTM D2598 – 21	500-600kg/m ³
03	LP Gas Gauge Vapor Pressure at 100F	Calculation of Certain Physical Properties of Liquefied Petroleum (LP) Gases from Compositional Analysis	ASTM D2598 – 21	0.1-1.5MPa
04	LPG Gas Gross Calorific Value at 60F	Calculation of Certain Physical Properties of Liquefied Petroleum (LP) Gases from Compositional Analysis	ASTM D3588-98 (Reapproved 2011)	11000-12000kcal/kg
05	LP Gas Motor Octane Number (MON)	Calculation of Certain Physical Properties of Liquefied Petroleum (LP) Gases from Compositional Analysis	ASTM D2598 – 21	88-99
06	LP Gas Molecular Weight	Calculation of Certain Physical Properties of Liquefied Petroleum (LP) Gases from Compositional Analysis	ASTM D3588-98 (Reapproved 2011)	44-59g/mol
07	Ethyl Mercaptan in LP-Gas Vapor	Standard Test Method for Determination of Ethyl Mercaptan in LP-Gas Vapor	ASTM D5305 – 23	0.5-120ppm
08	LPG Sampling	Standard Practice for Sampling Liquefied Petroleum (LP) Gases, Manual Method	ASTM D1265-23	-