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

Valid from 20 March 2023
to 19 March 2026
Issued on 20 March 2023

**ISO/ IEC 17025**
**TL 116-01**

# Schedule of Accreditation

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

Accreditation Number: TL 116-01

## LP Gas Testing Laboratory
## Laugfs Terminals Ltd
## Hambantota International Sea Port
## Hambantota.

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

The Laboratory is accredited for the following tests appear on page 02 of 02;

| Sl | Product(s) / Material of test | Specific tests performed | Test Method / Standard against which tests are performed (eg: xxx: 2016) | 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 D2163-14 | Hydrocarbon from C1 to C6<br>C1-(0-5) %mol, V%,W%<br>C2-(0-10) %mol, V%,W%<br>C3-(0-100) %mol,V%,W%<br>C4-(0-100) %mol,V%,W%<br>C5-(0-10) %mol, V%,W%<br>C6-(0-5) % 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 −16 | 500-600kg/m3 |
| 03 | LP Gas Gauge Vapour Pressure at 100F | Calculation of Certain Physical Properties of Liquefied Petroleum (LP) Gases from Compositional analysis | ASTM D2598 -16 | 0.1-1.5 MPa |
| 04 | LPG Gas Gross Calorific Value at 60F | Calculation of Certain Physical Properties of Liquefied Petroleum (LP) Gases from Compositional analysis | ASTM D2598 -16 | 11000-12000 kcal/kg |
| 05 | LP Gas Motor Octane Number (MON) | Calculation of Certain Physical Properties of Liquefied Petroleum (LP) Gases from Compositional analysis | ASTM D2598 -16 | 88-99 |
| 06 | LP Gas Molecular Weight | Calculation of Certain Physical Properties of Liquefied Petroleum (LP) Gases from Compositional analysis | ASTM D2598 -16 | 44-59 g/mol |
| 07 | Ethyl Mercaptan in LP-Gas Vapor | Standard Test Method for Determination of Ethyl Mercaptan in LP-Gas Vapor | ASTM D5305 −12 | 0.5-120 ppm |
| 08 | LPG Sampling | Standard Practice for Sampling Liquefied Petroleum (LP) Gases. (Manual Method) | ASTM D1265 −11 | - |

Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment