

## Liquefied Petroleum Gas (LPG) Analysis



Liquefied petroleum gas or liquid petroleum gas (LPG or LP gas) is a flammable mixture of hydrocarbon gases used as fuel in heating appliances, equipment and vehicles.

Specification of the hydrocarbon composition of LPG is required as traces of hydrocarbon impurities in LPG can negatively effect the fuel quality and processing. The compound distribution data of the hydrocarbons can also be used to calculate properties including relative density, vapor pressure, and motor octane number.

LPG Testing and inspection is provided for LPG products at refineries pipelines and marine and shore tank cargo storage facilities by TUV India. TUV India provides services to clients involved with LPG production, LPG analytical testing, trace analysis, quality control during production, storage and cargo custody transfer.

LPG testing is done according to ASTM and other accepted industry standards.

### Our Analysis Includes below Test Parameters:

- LPG Composition (C3- C4 Hydrocarbons & Heavier)  
- ASTM D 2163 / IS 4576: 1999 / IS 14861: 2000 (GC Analysis)
- Dienes (as 1:3 Butadiene)- ASTM D 2163 / IS 4576: 1999 / IS 14861 : 2000 (GC Analysis)

- Vapor Pressure - ASTM D 1267 /IS 4576:1999/ IS 14861:2000
- Copper Strip Corrosion - ASTM D 1848/IS 4576:1999/ IS 14861:2000
- Hydrogen Sulfide- ASTM D 2420: Reap 2001 / IS 4576:1999/ IS 14862:2000
- Free Water Content- Visual
- Evaporation Residue - ASTMD 2158/ IS 4576:1999:05/ IS 1461-2000
- Motor Octane No- ASTM D 2598, IS 4576:1999, IS 14861:2000
- Volatility - ASTM D 1837, IS 4576:1999,IS 14861:2000
- Calorific Value (Net & Gross) - By Calculation
- Sulphur content - ASTM D6228
- Mercapton Sulphur-ASTM D 6228

### About Us:

TUV India Pvt. Ltd. (TÜV NORD GROUP) is a customer-focused, innovative, and independent, technical, quality & safety services organization, dedicated to providing future-proof solutions through technological excellence for the success of its customers with the highest level of integrity. With a presence at over 40 strategic locations in India; a branch office in Sri Lanka and Bangladesh; state-of-the-art laboratories at Pune, Bengaluru, Noida and Jamnagar; 100 important countries worldwide and through digital means, we are always connected to you, our esteemed customer, anywhere, anytime.



We are proud to provide increasing levels of services to the best known, largest global and national companies as well as medium and small industries in diverse sectors like Oil & Gas, Petro-chemical, Nuclear, Renewables, Infrastructure, Food, Power, Manufacturing, Chemicals, Pharma, Paper, Automobiles, Railways, Aerospace, Defence, IT, Health, Hospitality, Retail, etc.

Over 1400 competent and experienced TUV India experts spread across India and over 14000 TUV NORD experts all over the world, enthusiastically support our clients by providing value-added services in Industry Inspection, European / International Approvals, Management System & IT Certification, Sustainability, Energy Audit, Water Audit, Carbon Services, Building Infrastructure & PMC, Renewable Energy, Food & Packaging Testing, Food Certification & Inspection; Testing of restricted and banned chemicals in Automotive and Electrical & Electronics components and other regulated industries, Product Testing – Electricals, Electronics and Industrial Machinery; Product Certification; Petroleum, Chemicals & Gas

Cargo Inspection; Petroleum, Chemicals & Gas Testing; Railway Technology; Engineering, Safety Studies, and knowledge enhancing training programs under TUV India Training Academy.

## Our Services Portfolio:

- Industrial Inspection
- Management Systems & IT Certification
- Building, Infrastructure and Project Management
- Renewable Energy
- Railway Technology
- Food Certification and Inspection
- Petroleum, Chemical and Gas Cargo Inspection
- Product Certification
- Product Testing (Electronics, Electricals, Battery and Industrial Machinery Testing)
- Food and Packaging Testing
- Advanced Chemical and Material Testing
- Petroleum, Chemical and Gas Testing
- Training Academy

### TUV India Private Limited

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#### Testing Laboratory Presence at Other Locations

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- Mumbai

