

Laboratory	Quality Assurance Laboratory, GAIL (India) Limited, LPG Recovery Plant, Lakwa, Dist. Sivasagar, Assam		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	18.09.2014
Certificate Number	T-0916	Valid Until	17.09.2016
Last Amended on	-	Page	1 of 2

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. PETROLEUM				
1.	Rich Natural Gas	Methane Ethane Propane iso-Butane n-Butane iso-Pentane n-Pentane Hexane+ Carbon dioxide Nitrogen Calorific Value	Gas Chromatography Method in line with ASTM D-1945-3 (Re approved - 10)	(75.0 to 97.0) mole% (0.50 to 9.00) mole% (0.50 to 6.50) mole% (0.10 to 1.50) mole% (0.10 to 2.00) mole% (0.10 to 1.00) mole% (0.10 to 1.00) mole% (0.01 to 0.60) mole% (0.20 to 2.50) mole% (0.10 to 2.00) mole% (850 to 10500) kcal/Sm ³
2.	Lean Natural Gas	Methane Ethane Propane iso-Butane n-Butane iso-Pentane n-Pentane Hexane+ Carbon dioxide Nitrogen Calorific Value	Pre calibrated Gas Chromatography Method in line with ASTM D-1945	(75.0 to 97.0) mole% (0.50 to 9.00) mole% (0.50 to 6.50) mole% (0.10 to 1.50) mole% (0.10 to 2.00) mole% (0.10 to 1.00) mole% (0.10 to 1.00) mole% (0.01 to 0.60) mole% (0.20 to 2.50) mole% (0.10 to 2.00) mole% (850 to 10500) kcal/Sm ³

