

 <b>Sun</b> Petrochemicals <b>Sun Petrochemicals</b> Pvt. Ltd.	<b>Analysis of Natural Gas Sample</b>		
	<b>Doc. No. R/QAC/005</b>	Date: 30.10.2024	Rev. No.: 00

**Description of Sample:**

1	Source of Sample	A4 well gas scrubber inlet gas
2	Document number	Doc. R/QAC/005
3	Date of Collection	18-05-2026
4	Date of Receipt	18-05-2026
5	Pressure/ Temperature	Pressure: 6.5 kg/cm <sup>2</sup>
6	Sample collection	Sample was collected in the Sample Bomb.

**Method of Analysis:** Sample has been analyzed by Shimadzu GC-2014C system using UCC W-982, SDC-200, Porapak-N and Molecular sieve -13X. Columns with TCD.

**Compositional Data [as per ASTM D1945-14 (Reapproved 2019)]:**

Sl. No.	Components	Concentration (Mol%)
1	Methane	57.69
2	Ethane	4.76
3	Propane	16.42
4	i-butane	7.68
5	n-butane	5.72
6	i-pentane	1.80
7	n-pentane	1.35
8	Hexane+	1.93
9	Carbon dioxide	2.38
10	Nitrogen	0.27

<b>Calculations (as per ISO 6976:2016):</b>	
Specific Gravity (with respect to air)	1.0711
Gross Calorific Value (Kcal/M <sup>3</sup> )	15594
Net Calorific Value (Kcal/M <sup>3</sup> )	14260
Molecular Weight (Kg/Kmol)	30.77

**Note:** Calculations are done on air free basis.

Signature: *Amupam*  
Name: *Amupam Bera*  
(Performer)

Signature: .....  
Name:  
(Reviewer)

Signature: .....  
Name:  
(Approver)