

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

**Description of Sample:**

1	Source of Sample	T7 well gas
2	Document number	Doc. R/QAC/005
3	Date of Collection	16-05-2026
4	Date of Receipt	16-05-2026
5	Pressure/ Temperature	Pressure: 10 kg/cm <sup>2</sup> ; Temperature: 65°C
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	65.20
2	Ethane	4.05
3	Propane	13.32
4	i-butane	6.17
5	n-butane	4.49
6	i-pentane	1.36
7	n-pentane	0.99
8	Hexane+	1.75
9	Carbon dioxide	2.37
10	Nitrogen	0.30

<b>Calculations (as per ISO 6976:2016):</b>	
Specific Gravity (with respect to air)	0.9756
Gross Calorific Value (Kcal/M <sup>3</sup> )	14274
Net Calorific Value (Kcal/M <sup>3</sup> )	13029
Molecular Weight (Kg/Kmol)	28.08

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

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

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

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