

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

Description of Sample:

1	Source of Sample	N1 well gas
2	Document number	Doc. R/QAC/005
3	Date of Collection	15-05-2026
4	Date of Receipt	15-05-2026
5	Pressure/ Temperature	Pressure: 18 kg/cm ²
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	60.15
2	Ethane	4.60
3	Propane	15.30
4	i-butane	6.96
5	n-butane	5.12
6	i-pentane	1.54
7	n-pentane	1.13
8	Hexane+	1.87
9	Carbon dioxide	3.05
10	Nitrogen	0.28

Calculations (as per ISO 6976:2016):	
Specific Gravity (with respect to air)	1.0349
Gross Calorific Value (Kcal/M ³)	14942
Net Calorific Value (Kcal/M ³)	13654
Molecular Weight (Kg/Kmol)	29.76

Note: Calculations are done on air free basis.

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

Signature:
Name:
(Reviewer)

Signature:
Name:
(Approver)