

 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	J5 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: 13 kg/cm ² ; Temperature: 66°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	73.94
2	Ethane	3.65
3	Propane	8.71
4	i-butane	4.35
5	n-butane	3.13
6	i-pentane	1.03
7	n-pentane	0.74
8	Hexane+	1.44
9	Carbon dioxide	2.59
10	Nitrogen	0.42

Calculations (as per ISO 6976:2016):	
Specific Gravity (with respect to air)	0.8645
Gross Calorific Value (Kcal/M ³)	12668
Net Calorific Value (Kcal/M ³)	11532
Molecular Weight (Kg/Kmol)	24.92

Note: Calculations are done on air free basis.

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

Signature:
Name:
(Reviewer)

Signature:
Name:
(Approver)