GS Oil, Gas and Chemicals
SGS HOUSE,
A-77, WAGLE INDUSTRIAL ESTATE,
ROAD NO 16
NEAR PASSPORT OFFICE,
THANE WEST,
400604
email: ogclab.thane@sgs.com

Date: 3/2/2022
PRABHA ENERGY PRIVATE LIMITED
4TH FLOOR,
RISHABH COMPLEX, ASHOK NAGAR
Ranchi
INDIA
834002

Test Report TO22-000717.003

PRODUCT DESCRIPTION:	Gas - CMB GAS	CLIENT ID:	LOCATION: WELL NK#10
SAMPLE SOURCE:	As Supplied	SGS ORDER N° :	2054528 LOC-4
SOURCE ID:		SAMPLE RECEIVED:	31/01/2022
LOCATION:	JHARKHAND	SAMPLE ANALYSED:	03/02/2022
SAMPLE TYPE:	As submitted	SAMPLE BY:	SGS
		DATE SAMPLED:	Not available
	TIME:		
	LINE PRESSURE:		
	LPG/Propane/Butane		
PURCHASE ORDER NO			
SAMPLE CONTAINER	TEDLER BAG		
SAMPLE QUANTITY	500 ML		

	METHOD	PROPERTY	RESULT	UNITS
*	ISO 6974	Methane 95% Uncertainty (Absolute)	94.221%mole	
*	ISO 6974	Ethane 95% Uncertainty (Absolute)	2.836%mole	
*	ISO 6974	Propane 95% Uncertainty (Absolute)	0.198%mole	
*	ISO 6974	Iso-butane 95% Uncertainty (Absolute)	0.027%mole	
*	ISO 6974	N-butane 95% Uncertainty (Absolute)	<0.001%mole	
*	ISO 6974	Iso-pentane 95% Uncertainty (Absolute)	<0.001%mole	
*	ISO 6974	N-pentane 95% Uncertainty (Absolute)	<0.001%mole	
*	ISO 6974	Carbon Dioxide 95% Uncertainty (Absolute)	1.130%mole	
*	ISO 6974	Nitrogen 95% Uncertainty (Absolute)	1.588%mole	
*	ISO 6974	Helium 95% Uncertainty (Absolute)	<0.01%mole	
*	ISO 6974	Hydrogen 95% Uncertainty (Absolute)	<0.01%mole	
*	ISO 6974	Oxygen 95% Uncertainty (Absolute)	<0.01%mole	
*	ISO 6976 (Real Gas)	Real Natural Gas - Calc. of C.V, D, R.D, W.I from Composition		
		Superior Calorific Value	37.62	MJ/m^3
		Inferior Calorific Value	33.90	MJ/m^3
		Relative Density	0.5880	
		Compressibility	0.9974	
		Wobbe Index	51.72	MJ/m^3

This laboratory is accredited under ISO/IEC 17025. The results reported herein have been performed in accordance with the laboratory's term of accreditation except calibrations/tests marked with an asterisk (*) in this report which are not within the scope of accreditation for our laboratory.
Result is outside of test method Limits and/or analytical range used in method precision study

Authorised Signatory

Shivaji Salunkhe-Operation manager-Lab
030220221803TOR0000179465