



SGS 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
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	Nitrogen 95% Uncertainty (Absolute)	<0.01%	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

This report relates specifically to the sample tested as received. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. The latest available issue of the test methods in our possession has been used. Precision parameters apply in the determination of the above results. Users of the data shown on this report should refer to the latest published revisions of ASTM D-3244; IP 367; ISO 4259 and Appendix E of IP Standard Methods for Analysis and Testing when utilising the test data to determine conformance with any specification or process requirement. This report shall not be reproduced except in full, without the written approval of the laboratory.

Authorised Signatory

Shivaji Salunkhe- Operation manager-Lab
 030220221803TOR0000179465