



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      QUALITY ASSURANCE LABORATORY, GIDC INDUSTRIAL AREA, VAGHODIA, VADODARA, GUJARAT, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-8150                                      Page No. :                                      1 / 4

Validity                                      26/11/2018 to 25/11/2020              Last Amended on                              -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
<b>Permanent Facility</b>					
1	CHEMICAL- PETROLEUM AND PRODUCTS	FEED NATURAL GAS	CALORIFIC VALUE	ISO 6976: 2016	6000 K CAL/SM3 to 12000 K CAL/SM3
2	CHEMICAL- PETROLEUM AND PRODUCTS	FEED NATURAL GAS	CARBON DIOXIDE	ASTM D 1945: 2014	0.01 % to 10 %
3	CHEMICAL- PETROLEUM AND PRODUCTS	FEED NATURAL GAS	ETHANE	ASTM D 1945: 2014	1.0 % to 15 %
4	CHEMICAL- PETROLEUM AND PRODUCTS	FEED NATURAL GAS	HEXANE	ASTM D 1945: 2014	0.01 % to 1.0 %
5	CHEMICAL- PETROLEUM AND PRODUCTS	FEED NATURAL GAS	I BUTANE	ASTM D 1945: 2014	0.01 % to 2.0 %
6	CHEMICAL- PETROLEUM AND PRODUCTS	FEED NATURAL GAS	I PENTANE	ASTM D 1945: 2014	0.01 % to 1.0 %
7	CHEMICAL- PETROLEUM AND PRODUCTS	Feed Natural Gas	Methane	ASTM D 1945: 2014	65 % to 98 %
8	CHEMICAL- PETROLEUM AND PRODUCTS	Feed Natural Gas	Methane	ASTM D 1945: 2014	65 to 98
9	CHEMICAL- PETROLEUM AND PRODUCTS	FEED NATURAL GAS	N BUTANE	ASTM D 1945: 2014	0.01 % to 2.0 %



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      QUALITY ASSURANCE LABORATORY, GIDC INDUSTRIAL AREA, VAGHODIA, VADODARA, GUJARAT, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-8150                                      Page No. :                                      2 / 4

Validity                                      26/11/2018 to 25/11/2020              Last Amended on                              -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
10	CHEMICAL- PETROLEUM AND PRODUCTS	FEED NATURAL GAS	N PENTANE	ASTM D 1945: 2014	0.01 % to 1.0 %
11	CHEMICAL- PETROLEUM AND PRODUCTS	FEED NATURAL GAS	NITROGEN	ASTM D 1945: 2014	0.01 % to 1.0 %
12	CHEMICAL- PETROLEUM AND PRODUCTS	FEED NATURAL GAS	PROPANE	ASTM D 1945 : 2014	1 % to 10 %
13	CHEMICAL- PETROLEUM AND PRODUCTS	FEED NATURAL GAS	SPECIFIC GRAVITY	ISO 6976: 2016	0.6000 to 0.8000
14	CHEMICAL- PETROLEUM AND PRODUCTS	LEAN NATURAL GAS	Calorific Value	ISO 6976: 2016	6000 K CAL/SM3 to 12000 K CAL/SM3
15	CHEMICAL- PETROLEUM AND PRODUCTS	LEAN NATURAL GAS	CARBON DIOXIDE	ASTM D 1945: 2014	0.01 % to 10 %
16	CHEMICAL- PETROLEUM AND PRODUCTS	LEAN NATURAL GAS	ETHANE	ASTM D 1945: 2014	1.0 % to 15 %
17	CHEMICAL- PETROLEUM AND PRODUCTS	LEAN NATURAL GAS	HEXANE	ASTM D 1945: 2014	0.01 % to 1.0 %
18	CHEMICAL- PETROLEUM AND PRODUCTS	LEAN NATURAL GAS	I BUTANE	ASTM D 1945: 2014	0.01 % to 2.0 %
19	CHEMICAL- PETROLEUM AND PRODUCTS	LEAN NATURAL GAS	I PENTANE	ASTM D 1945: 2014	0.01 % to 1.0 %



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      QUALITY ASSURANCE LABORATORY, GIDC INDUSTRIAL AREA, VAGHODIA, VADODARA, GUJARAT, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-8150                                      Page No. :                                      3 / 4

Validity                                      26/11/2018 to 25/11/2020              Last Amended on                              -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
20	CHEMICAL- PETROLEUM AND PRODUCTS	LEAN NATURAL GAS	METHANE	ASTM D 1945: 2014	65 % to 98 %
21	CHEMICAL- PETROLEUM AND PRODUCTS	LEAN NATURAL GAS	N BUTANE	ASTM D 1945: 2014	0.01 % to 2.0 %
22	CHEMICAL- PETROLEUM AND PRODUCTS	LEAN NATURAL GAS	N PENTANE	ASTM D 1945: 2014	0.01 % to 1.0 %
23	CHEMICAL- PETROLEUM AND PRODUCTS	LEAN NATURAL GAS	NITROGEN	ASTM D 1945: 2014	0.01 % to 1.0 %
24	CHEMICAL- PETROLEUM AND PRODUCTS	LEAN NATURAL GAS	PROPANE	ASTM D 1945: 2014	1.0 % to 10 %
25	CHEMICAL- PETROLEUM AND PRODUCTS	LEAN NATURAL GAS	SPECIFIC GRAVITY	ISO 6976: 2016	0.5500 to 0.7500
26	CHEMICAL- PETROLEUM AND PRODUCTS	Liquified Petroleum gas (LPG)	I BUTANE	ASTM D 2163: 2014	10 % to 30 %
27	CHEMICAL- PETROLEUM AND PRODUCTS	Liquified Petroleum gas (LPG)	I PENTANE	ASTM D 2163: 2014	0.01 % to 5 %
28	CHEMICAL- PETROLEUM AND PRODUCTS	Liquified Petroleum gas (LPG)	N BUTANE	ASTM D 2163: 2014	10 % to 30 %
29	CHEMICAL- PETROLEUM AND PRODUCTS	Liquified Petroleum gas (LPG)	N PENTANE	ASTM D 2163: 2014	0.01 % to 5.0 %



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name                      QUALITY ASSURANCE LABORATORY, GIDC INDUSTRIAL AREA, VAGHODIA, VADODARA, GUJARAT, INDIA

Accreditation Standard              ISO/IEC 17025:2017

Certificate Number                    TC-8150                                      Page No. :                                      4 / 4

Validity                                      26/11/2018 to 25/11/2020              Last Amended on                              -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
30	CHEMICAL- PETROLEUM AND PRODUCTS	Liquified Petroleum gas (LPG)	PROPANE	ASTM 2163: 2014	30 % to 80 %
31	CHEMICAL- PETROLEUM AND PRODUCTS	Liquified Petroleum gas (LPG)	Vapour Pressure@40 degress C	ISO 8973: 1997	800 kpa to 1300 kpa
32	CHEMICAL- PETROLEUM AND PRODUCTS	Liquified Petroleum gas (LPG)	Copper strip corrosion for 1 hr at 38 °c	ASTM D 1838 : 2016	1.0 no to 4 no
33	CHEMICAL- PETROLEUM AND PRODUCTS	Liquified Petroleum gas (LPG)	Density @ 15 degree C	ISO 8973: 1997	0.450 g/cm <sup>3</sup> to 0.600 g/cm <sup>3</sup>
34	CHEMICAL- PETROLEUM AND PRODUCTS	Liquified Petroleum gas (LPG)	ETHANE	ASTM D 2163: 2014	0.1 % to 10 %
35	CHEMICAL- PETROLEUM AND PRODUCTS	Liquified Petroleum gas (LPG)	Mercaptan	IS 4576: 1999	Qualitative(positive or negative)