National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY CONTROL LABORATORY, GAIL (INDIA) LTD., PATA, AURAIYA, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6298 **Page No** 1 of 4

Validity 11/10/2021 to 10/10/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Caustic Test	IS 4576
2	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Compositional analysis by C2 Hydrocarbon	ASTMD2163-14
3	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Compositional analysis by GC 1,3 Butadiene Hydrocarbons	ASTMD2163-14
4	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Compositional analysis by GC Butene-1 Hydrocarbons	ASTMD2163-14
5	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Compositional analysis by GC C3 Hydrocarbon	ASTMD2163-14
6	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Compositional analysis by GC Cis-2-Butene Hydrocarbons	ASTMD2163-14
7	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Compositional analysis by GC iC4 Hydrocarbons	ASTMD2163-14
8	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Compositional analysis by GC Iso Butylene Hydrocarbons	ASTMD2163-14
9	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Compositional analysis by GC nC4 Hydrocarbons	ASTMD2163-14
10	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Compositional analysis by GC Propylene Hydrocarbons	ASTMD2163-14
11	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Compositional analysis by GC Trans-2-Butene Hydrocarbons	ASTMD2163-14
12	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Compositional analysis by GC Iso- Pentane	ASTMD2163-14
13	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Compositional analysis by GC n- Pentane	ASTMD2163-14
14	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Copper strip corrosion @40°C for 1Hour	ASTM D1838
15	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Density @ 15°C	ASTM D2163-14 & ISO-8973
16	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Hydrogen sulphide	ASTM D2420
17	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Total Volatile Sulphur	ASTM D3246
18	CHEMICAL- PETROLEUM AND PRODUCTS	LPG	Vapour pressure @ 40 °C	ASTM D2163-14 & ISO-8973

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19	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Copper strip corrosion @ 37.8°C for 1.0 hour	ASTM D 130
20	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Density @ 15°C	ASTM D 4052-18a
21	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Distillation - Final Boiling Point	ASTM D 86-20b
22	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Distillation - Initial Boiling Point	ASTM D 86-20b
23	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Gross Calorific Value	IS 1448 [P-7]
24	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Moisture	ASTM D 6304
25	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Net Calorific Value	IS 1448 [P-7]
26	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Total Sulphur	ASTM D 3246
27	CHEMICAL- PETROLEUM AND PRODUCTS	Naphtha	Vapor Pressure (Reid Method) @ 37.8°C	ASTM D 323-20a
28	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Gas (Rich / Lean Gas)	Compositional analysis by GC C1	ASTM D1945-14
29	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Gas (Rich / Lean Gas)	Compositional analysis by GC C2	ASTM D1945-14
30	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Gas (Rich / Lean Gas)	Compositional analysis by GC C3	ASTM D1945-14
31	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Gas (Rich / Lean Gas)	Compositional analysis by GC C6	ASTM D1945-14
32	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Gas (Rich / Lean Gas)	Compositional analysis by GC CO2	ASTM D1945-14
33	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Gas (Rich / Lean Gas)	Compositional analysis by GC iC4	ASTM D1945-14
34	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Gas (Rich / Lean Gas)	Compositional analysis by GC iC5	ASTM D1945-14
35	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Gas (Rich / Lean Gas)	Compositional analysis by GC N2	ASTM D1945-14
36	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Gas (Rich / Lean Gas)	Compositional analysis by GC nC4	ASTM D1945-14
37	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Gas (Rich / Lean Gas)	Compositional analysis by GC nC5	ASTM D1945-14

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38	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Gas (Rich / Lean Gas)	Net Calorific Value	ISO 6976
39	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Gas (Rich / Lean Gas)	Specific Gravity	ISO 6976
40	CHEMICAL- PETROLEUM AND PRODUCTS	Natural Gas (Rich / Lean Gas)	Grass Calorific Value	ISO 6976
41	CHEMICAL- PETROLEUM AND PRODUCTS	Pentane	Density @ 15°C	ASTM D 4052-18a
42	CHEMICAL- PETROLEUM AND PRODUCTS	Pentane	Distillation- Final Boiling Point	ASTM D 86-20b
43	CHEMICAL- PETROLEUM AND PRODUCTS	Pentane	Distillation- Initial Boiling Point	ASTM D 86-20b
44	CHEMICAL- PETROLEUM AND PRODUCTS	Pentane	Gross Calorific value	IS 1448 [P-7]
45	CHEMICAL- PETROLEUM AND PRODUCTS	Pentane	Moisture	ASTM D 6304
46	CHEMICAL- PETROLEUM AND PRODUCTS	Pentane	Net Calorific Value	IS 1448 [P-7]
47	CHEMICAL- PETROLEUM AND PRODUCTS	Pentane	Vapor Pressure (Reid Method) @ 37.8°C	ASTM D 323-20a
48	CHEMICAL- PETROLEUM AND PRODUCTS	Propane	Caustic test	IS 4576
49	CHEMICAL- PETROLEUM AND PRODUCTS	Propane	Compositional analysis by GC Ethane	ASTM D2163-14
50	CHEMICAL- PETROLEUM AND PRODUCTS	Propane	Compositional analysis by GC iso- Butane	ASTM D2163-14
51	CHEMICAL- PETROLEUM AND PRODUCTS	Propane	Compositional analysis by GC iso- Pentane	ASTM D2163-14
52	CHEMICAL- PETROLEUM AND PRODUCTS	Propane	Compositional analysis by GC n-butane	ASTM D2163-14
53	CHEMICAL- PETROLEUM AND PRODUCTS	Propane	Compositional analysis by GC n-Pentane	ASTM D2163-14
54	CHEMICAL- PETROLEUM AND PRODUCTS	Propane	Compositional analysis by GC Propane	ASTM D2163-14
55	CHEMICAL- PETROLEUM AND PRODUCTS	Propane	Density	ASTMD2163-14 & ISO 8973
56	CHEMICAL- PETROLEUM AND PRODUCTS	Propane	Hydrogen sulphide	ASTM D2420

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57	CHEMICAL- PETROLEUM AND PRODUCTS	Propane	Total Volatile Sulphur	ASTM D3246
58	CHEMICAL- PETROLEUM AND PRODUCTS	Propane	Vapour pressure @ 40 °C	ASTMD2163-14 & ISO 8973
59	CHEMICAL- PLASTIC & RESINS	Polyethylene (LLDPE/ HDPE)	Density	ASTM D1505
60	CHEMICAL- PLASTIC & RESINS	Polyethylene (LLDPE/ HDPE)	Melt Flow Index	ASTM D1238
61	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent Water	Biochemical Oxygen Demand (BOD) 3days@27°C	IS 3025 (part-44)
62	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent Water	Biochemical Oxygen Demand (BOD) 5days@20°C	APHA-5210-D(23rd Edition)
63	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent Water	Chemical Oxygen Demand (COD)	APHA-5220-C(23rd Edition)
64	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent Water	Chemical Oxygen Demand (COD)	IS 3025 (part-58)
65	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent Water	Oil & Grease	IS 3025 (part-39)
66	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent Water	pH	IS 3025 (part-11)
67	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent Water	Phenol	IS 3025 (part-43)
68	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent Water	Sulphide Content	APHA-4500-S2- F (23rd Edition)
69	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent Water	Sulphide Content	IS 3025 (part-29)
70	CHEMICAL- POLLUTION & ENVIRONMENT	Treated Effluent Water	Total Suspended Solid (TSS)	IS 3025 (part-17)