

S No.	Test Methods Name	Test Method
01	Acid Number	ASTM D3242 / D664
02	Acidity or Alkalinity of Water	ASTM D-1067
03	Aluminum and silicon in fuel oils	ASTM D-5184
04	Ammonia nitrogen in water	HACH – 10023
05	Analysis of Aromatic Hydrocarbons in Fuels	ASTM D-6379
06	Analysis of Natural Gas by Gas Chromatography	ASTM D-1945
07	Analysis of Reformed Gas by Gas Chromatography	ASTM D-1946
08	Aniline Point, °C	ASTM D-611
09	API Gravity	ASTM D287
10	Appearance	Visual
11	Aromatic Hydrocarbon Types in Middle Distillates	ASTM D-6591
12	Aromatics	ASTM D1319
13	Ash Content	ASTM D482
14	Asphaltene in crude petroleum	ASTM D-6560
15	Benzene	ASTM D-5134 / D4053
16	Benzene, Toluene, Ethylbenzene, p/m- Xylene, o-Xylene, C9 and Heavier Aromatics, and Total Aromatics in Finished Gasoline	ASTM D-5580
17	BOD	APHA 5210 A
18	Bromine Number	ASTM D1159
19	Bromine Number and Bromine Index of hydrocarbons by Potentiometric method	UOP 304
20	Calculated Cetane Index	ASTM D-976
21	Calorific Value Gross	ASTM D-4868
22	CFPP	ASTM D-6371
23	Chloride ion in Water	ASTM D-512
24	Cloud Point	ASTM D-2500
25	COD in water	HACH – 8000
26	Color	ASTM D1500
27	Color, Saybolt	ASTM D-156

28	Conradson Carbon	ASTM D189
29	Copper Corrosion	ASTM D130
30	Copper in Gases	ASTM D-1838
31	Density @ 15 °C	ASTM D4052
32	Detail Hydrocarbon Analysis	D 5134
33	Determination of Moisture in gases (Due Point)	ASTM D5454
34	Diethanol amine in solutions	UOP-824
35	Dissolved Oxygen in Water	ASTM D-888
36	Distillation of Industrial Aromatic Hydrocarbons and Related Materials	ASTM D-850
37	Distillation:	ASTM D-86
38	Doctor Test	ASTM D-4952
39	Ductility @ 25 °C, 5 cm,	ASTM D113
40	Electrical Conductivity	ASTM D - 2624
41	Existent Gum	ASTM D-381
42	Flash Point	IP -170
43	Flash Point, COC	ASTM D92
44	Flash Point, PMCC	ASTM D93
45	Freezing Point	ASTM D – 2386
46	Gas Analysis by Gas Chromatography	UOP 539
47	Hardness in Water	ASTM D-1126
48	Heat of Combustion	ASTM D240
49	Hexanes and Lower Boiling Hydrocarbons in Olefin Free Gasolines by GC	UOP-551
50	Hydrazine in water	HACH-8141
51	Hydrogen Content	ASTM D-3343
52	Hydrogen sulfide in Amine Solution	UOP-827
53	Hydrogen Sulfide, Mercaptan Sulfur, and Carbonyl Sulfide in Hydrocarbon Gases by Potentiometric Titration	UOP 212
54	Induction Period	ASTM D-525

55	Iron in water	HACH - 8147
56	Kinematic Viscosity at Different Temperatures	ASTM D445 / D7042
57	Lead Content	IP-224
58	Loss on heating at 163 °C,	ASTM D-6
59	Low Oxygenates	UOP-960
60	Lubricity Corrected Wear Scar diameter (WSD 1.4) a	ASTM D 6079
61	Melting Point °C	ASTM D-127
62	Mercaptan Sulphur	ASTM D-3227
63	Microseparometer (MSEP) rating	ASTM D 3948
64	Manganese in Gasoline	D-3831
65	Monoethanol amine in solutions	UOP-825
66	Multielement determination in used and unused lubrication oil and base oils	ASTM D-5185
67	Nickel, Vanadium and Iron in Crude Oils and Residual Fuel	ASTM D-5708
68	Noack evaporation loss of lubrication oil by TGA	ASTM D-6375
69	Octanes and Lower Boiling Hydrocarbons in Olefin-Free Gasolines by GC	UOP-690
70	Oil Content wt. %	ASTM D-721
71	Olefins, Vol. %	ASTM D-2159
72	Organic Chlorides by micro Coulometry	UOP 779
73	Oxygenate Contents:	D 4815 / D5845
74	Paraffins, Vol. %	ASTM D-1319
75	Particulate Contamination	ASTM D-5452
76	Particulate Particle Counts	IP-565
77	Particulate, ISO Code and Individual channel count	IP 564
78	Penetration @ 25 °C, 100 g,	ASTM D-5
79	Pentane + Liq. Vol.	UOP-539/IP 264/D2163
80	pH of Water	ASTM D1293
81	Phosphate in Water	APHA 4500 P

82	PONA by GC	ASTM D 6730
83	Pour Point	ASTM D-97
84	Reid Vapour Pressure at 37.8 °C	ASTM D-323
85	Relative Density of Gas by Schilling Effusion Method	UOP 114
86	Research Octane Number	ASTM D2699
87	Residue on Evaporation at 100mL	ASTM D2158
88	RVP @ 37.8°C	ASTM D323
89	Salts in Crude Oil	ASTM D3230
90	Sediments	ASTM D-473
91	Silica in Water	ASTM D-859
92	Smoke Point	ASTM D1322
93	Sodium + Potassium	ASTM D-2788 / AAS
94	Softening Point, R&B, °C	ASTM D-36
95	Solubility in Trichloroethylene, % wt.	ASTM D-2042
96	Specific Energy	ASTM D – 3338
97	Specific gravity @ 25/25 °C	ASTM D-70
98	Specific Gravity 60/60°F	ASTM D1298
99	Sulfate ion in water	ASTM D-516
100	Sulfide in water	APHA 4500 S
101	Sulfur Content	ASTM D4294 / D5453 / UOP 987
102	Suspended solids in water	HACH -8006
103	Temperature at 95% Evaporation	ASTM D1837
104	Thermal Stability (JFTOT) Control Temp. 260 °C	ASTM D - 3241
105	Thiosulfate in lean amine solution	UOP-818
106	Total Acid No.	ASTM D-974
107	Total Alkalinity and spent % for caustic solutions	UOP-210
108	Total Amine in Solution	UOP-828
109	Total and dissolved CO2 in water	ASTM D-513

110	Total Chloride in Petroleum Distillates by Colorimetry	UOP 395
111	Total Petroleum Hydrocarbon in Water	ASTM D-7678
112	Total Sulfur in LPG	ASTM D-2784 / D-7551/D-6667
113	Trace Co and Co <sub>2</sub> in Hydrogen and Light Gaseous Hydrocarbons by GC	UOP-603 / IP-264/ ASTM D-2163
114	Trace metals in Oils	UOP-389
115	Trace Metals in Petroleum Products by AAS	UOP 391
116	Trace Nitrogen	UOP 981
117	Trace Nitrogen in Liquid Hydrocarbons	ASTM D-4629
118	True Boiling Point	ASTM D 2892
119	Turbidity of water	ASTM D-1889
120	Vacuum Distillation	ASTM D1160
121	Vanadium	ASTM D-2788/ AAS
122	Vapor Pressure at 100 °F	ASTM D-1267
123	Viscosity at -20 °C	ASTM D - 445
124	Viscosity Gravity Constant (VGC)	ASTM D-2501
125	Viscosity Index	ASTM D-2270
126	Water and Sediments in Crude oil by Centrifuge method	ASTM D4007
127	Water and Sediments in fuel oil by Centrifuge method	ASTM D1796
128	Water Content in Petroleum Products	ASTM D95
129	Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fisher Titration	ASTM D-6304
130	Water reaction Interface Rating	ASTM D-1094
131	Water separability of petroleum oils and synthetic fluids	ASTM D-1401