



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name SEWREE QUALITY CONTROL LABORATORY, SEWREE II TERMINAL, HINDUSTAN PETROLEUM CORPORATION LIMITED, SEWREE (E), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-5341 Page No. : 1 / 5

Validity 18/10/2018 to 17/10/2020 Last Amended on 03/11/2018

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	ATF	AROMATIC	IS 1448: 2004	5.0 to 42
2	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	COPPER CORROSION	IS 1448 P:15: 2004	Qualitative(1 TO 4 CLASSIFICATION)
3	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	COPPER CORROSION @100 °C	IS 1448 P15: 2003	Qualitative(1 TO 4 CLASSIFICATION)
4	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	DENSITY @ 15 °C	IS 1448 P:16: 2014	775 to 840
5	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	DISTILLATION TEMP @10%REC	IS 1448 P:18: 2006	0 to 205
6	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	ELECTRIC CONDUCTIVITY	IS 1448 P:148: 2007	10 pS/m4 to 1000 pS/m4
7	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	EXISTENT GUM (ROE)	IS 1448 P 29: 2004	0 to 10
8	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	FBP	IS 1448 P:18: 2006	0 ° C to 300 ° C
9	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	FLASH POINT	IS 1448 P:20: 2004	25 ° C to 70 ° C



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10	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	FREEZING POINT	IS 1448 P;11: 2004	-70 °C to -30 °C
11	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	JFTOT	ASTM D 3241: 2009	Qualitative(RATING LASS THAN 3)
12	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	Kv @-20 °C	IS 1448 P25: 2007	2 to 8
13	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	MERCAPTAN SULPHUR WT 5	IS 1448 P:109: 2004	0.0003 to 0.0050
14	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	NAPHTHALENE CONTENT	IS 1448 P :118: 2007	0 to 4 VOL%
15	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	SILVER STRIP CORROSION @50 °C	IP 227: 1999	Qualitative(1 TO 4 RATING)
16	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	SMOKE POINT	IS 1448 P31: 2003	10 to 30
17	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	SPECIFIC ENERGY	ASTM D 3338: 2009	40 MJ/Kg to 50 MJ/Kg
18	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	SULPHUR BY ED XRF	ASTM D 4294: 2010	0.05 WT % to 0.25 WT %
19	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	TOTAL ACIDITY	IS 1448 P:113: 2006	0.0 mg KOH/g to 0.015 mg KOH/g



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20	CHEMICAL- PETROLEUM AND PRODUCTS	ATF	WATER REACTION	IS 1448 P 42: 2006	Qualitative(RATING 1 TO 4)
21	CHEMICAL- PETROLEUM AND PRODUCTS	FO	DENSITY@15 °C	IS 1448 P:16: 2014	0 to 0
22	CHEMICAL- PETROLEUM AND PRODUCTS	FO	FLASH POINT PMCC	IS 1448 P :21: 2003	40 °C to 180 °C
23	CHEMICAL- PETROLEUM AND PRODUCTS	FO	Kv @50 °C	IS 1448 P 25: 2007	25 to 43.5.3500
24	CHEMICAL- PETROLEUM AND PRODUCTS	FO	POUR POINT °C	IS 1448 P:10: 2013	-21 to 47
25	CHEMICAL- PETROLEUM AND PRODUCTS	FO	SEDIMENT BY EXTRACTION	IS 1448 P:30: 2013	.01 to 5.0
26	CHEMICAL- PETROLEUM AND PRODUCTS	FO	TOTAL SEDIMENT IN RES FUEL	ASTM D 4870: 2009	0 m/m% to 0.5 m/m%
27	CHEMICAL- PETROLEUM AND PRODUCTS	FO	WATER CONTENT BY DEAN & STARK	IS 1448 P42: 2006	0 to 10
28	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	CETANE INDEX CALCULATION	ASTM D 4737: 2010	32.5 to 65
29	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	COPPER CORROSION @50°C	IS 1448 P:15: 2017	Qualitative(1 TO 4 CLASSIFICATION)



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30	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	DENSITY@15 °C	IS 1448 P:16: 2014	815 to 845
31	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	DISTILLATION TEMP @95 %REC	IS 1448 P:18: 2006	0 to 360
32	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	FLASH POINT	IS 1448 P:20: 2004	25 °C to 70 °C
33	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	Kv @ 40 °C	IS 1448 P:25: 2007	1.0 to 15
34	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	SULPHUR BY ED XRF	ASTM D 4294: 2010	0.003 % to 0.035 %
35	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	DENSITY@15 °C	IS 1448 P:16: 2014	0 to 0
36	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	FLASH POINT PMCC	IS 1448 P:21: 2003	40 to 180
37	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	Kv @40 °C	IS 1448 P 25: 2007	1.0 to 15
38	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DENSITY@15 °C	IS 1448 P:16: 2014	720 to 775
39	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DISTILLATION @70 % REC	IS 1448 P:18: 2006	10 to 45



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40	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DISTILLATION FBP	IS 1448 P:18: 2006	0 to 210
41	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DISTILLATION REC@100 °C	IS 1448 P:18: 2006	40 to 70
42	CHEMICAL- PETROLEUM AND PRODUCTS	MS	DISTILLATION REC@150 °C	IS 1448 P:18: 2006	0 to 75
43	CHEMICAL- PETROLEUM AND PRODUCTS	MS	ROE	IS 1448 P:29: 2004	0 to 50
44	CHEMICAL- PETROLEUM AND PRODUCTS	MS	SULPHUR BY ED XRF	ASTM D 4294: 2010	0.0003 % to 0.035 %
45	CHEMICAL- PETROLEUM AND PRODUCTS	MS ,SKO	COPPER CORROSION	IS 1448: 2004	Qualitative(1 TO 4 CLASSIFICATION)
46	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	FBP	IS 1448 P:18: 2006	0 °C to 300 °C
47	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	REC@200 °C	IS 1448 P:18: 2006	0 to 20
48	CHEMICAL- PETROLEUM AND PRODUCTS	SKO/ATF	COLOUR SAYBOLT	IS 1448: 2003	5 to 30