National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HINDUSTAN PETROLEUM CORP. LTD., RAIPUR QC LAB, MANDIR HASAUD, RAIPUR, CHHATTISGARH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8339 **Page No** 1 of 3

Validity 12/02/2022 to 11/02/2024 **Last Amended on** 03/05/2022

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	ADF	Calculated Cetane index	ASTM D4737
2	CHEMICAL- PETROLEUM AND PRODUCTS	ADF	Calculated Cetane index	ISO 4264
3	CHEMICAL- PETROLEUM AND PRODUCTS	ADF	Distillation 95% V/V recovery temperature	ASTM D86
4	CHEMICAL- PETROLEUM AND PRODUCTS	ADF	Distillation 95% V/V recovery temperature	IS: 1448: {P: 18}
5	CHEMICAL- PETROLEUM AND PRODUCTS	ADF, MG, EBMG, SKO	Sulphur, Total	ISO 20846
6	CHEMICAL- PETROLEUM AND PRODUCTS	ADF/ LDO	Density at 15 deg C	ASTM D1298
7	CHEMICAL- PETROLEUM AND PRODUCTS	ADF/ LDO	Density at 15 deg C	IS: 1448: {P: 16}
8	CHEMICAL- PETROLEUM AND PRODUCTS	ADF/ LDO	Kinematic Viscosity @ 40 ºC	ASTM D445
9	CHEMICAL- PETROLEUM AND PRODUCTS	ADF/ LDO	Kinematic Viscosity @ 40 ºC	IS 1448 : {P: 25/Sec 1}
10	CHEMICAL- PETROLEUM AND PRODUCTS	ADF/ LDO	Pour Point	ASTM D97
11	CHEMICAL- PETROLEUM AND PRODUCTS	ADF/ LDO	Pour Point	IS: 1448: {P: 10}
12	CHEMICAL- PETROLEUM AND PRODUCTS	FO	Kinematic Viscosity at 50 deg C	ASTM D 445
13	CHEMICAL- PETROLEUM AND PRODUCTS	FO	Kinematic Viscosity at 50 deg C	IS: 1448: {P:25}
14	CHEMICAL- PETROLEUM AND PRODUCTS	FO	Relative Density @ 15 deg C	ASTM D1298
15	CHEMICAL- PETROLEUM AND PRODUCTS	FO	Relative Density @ 15 deg C	IS: 1448: {P 16}
16	CHEMICAL- PETROLEUM AND PRODUCTS	FO	Sediment by Extraction Method	ASTM D 473
17	CHEMICAL- PETROLEUM AND PRODUCTS	FO	Sediment by Extraction Method	IS: 1448: {P: 30}
18	CHEMICAL- PETROLEUM AND PRODUCTS	FO	Sulphur, Total	ASTM D 4294

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19	CHEMICAL- PETROLEUM AND PRODUCTS	FO/LDO	Water Content	ASTM D 95
20	CHEMICAL- PETROLEUM AND PRODUCTS	FO/LDO	Water Content	IS: 1448: {P: 40}
21	CHEMICAL- PETROLEUM AND PRODUCTS	FO/LDO/ADF	Flash Point, PMCC	ASTM D 93
22	CHEMICAL- PETROLEUM AND PRODUCTS	FO/LDO/ADF	Flash Point, PMCC	IS: 1448: {P: 21}
23	CHEMICAL- PETROLEUM AND PRODUCTS	LDO	Sulphur, Total	ASTM D 4294
24	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Distillation % Evaporated at 100°C	ASTM D86
25	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Distillation % Evaporated at 100°C	IS: 1448: {P: 18}
26	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Distillation % Evaporated at 150°C	ASTM D86
27	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Distillation % Evaporated at 150°C	IS: 1448: {P: 18}
28	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Distillation % Evaporated at 70°C	ASTM D86
29	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Distillation % Evaporated at 70°C	IS: 1448: {P: 18}
30	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Distillation Final Boiling Point	ASTM D86
31	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Distillation Final Boiling Point	IS: 1448: {P: 18}
32	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Distillation Residue	ASTM D86
33	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Distillation Residue	IS: 1448: {P: 18}
34	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Gum content (Solvent Washed)	ASTM D381
35	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Gum content (Solvent Washed)	IS: 1448: {P: 29}
36	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Research Octane Number	ASTM D2699
37	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG	Research Octane Number	IS: 1448: {P: 27}

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38	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG, ADF, SKO	Sulphur, Total	ASTM D5453
39	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG, SKO, ADF	Copper Corrosion test	ASTM D130
40	CHEMICAL- PETROLEUM AND PRODUCTS	MG, EBMG, SKO, ADF	Copper Corrosion test	IS: 1448 : {P: 15}
41	CHEMICAL- PETROLEUM AND PRODUCTS	MG/ EBMG/ ADF/ SKO	Color	WI-35 ISSUE NO:1
42	CHEMICAL- PETROLEUM AND PRODUCTS	MG/ EBMG/ ADF/ SKO/ LDO/ FO	APPEARANCE	ASTM D 4176
43	CHEMICAL- PETROLEUM AND PRODUCTS	MG/ EBMG/ SKO	Density at 15 deg C	IS: 1448: {P: 16}
44	CHEMICAL- PETROLEUM AND PRODUCTS	MS/ EBMG/ SKO	Density at 15 deg C	ASTM D1298
45	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	Distillation % Recovered Below 200 ºC	ASTM D86
46	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	Distillation % Recovered Below 200 ºC	IS: 1448: {P: 18}
47	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	Distillation Final Boiling Point	ASTM D86
48	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	Distillation Final Boiling Point	IS: 1448: {P: 18}
49	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	Smoke Point	IS: 1448: {P: 31}
50	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	Smoke Point	ASTM D1322
51	CHEMICAL- PETROLEUM AND PRODUCTS	SKO	Sulphur, Total	ASTM D4294
52	CHEMICAL- PETROLEUM AND PRODUCTS	SKO, ADF	Flash Point Abel	IP 170
53	CHEMICAL- PETROLEUM AND PRODUCTS	SKO, ADF	Flash Point Abel	IS: 1448: {P: 20}