

Quality And Accreditation Institute

Centre for International Accreditation



Certificate of Accreditation

Indian Oil Corporation Limited (M.D.)

Rewari Terminal Laboratory

Karnawas village, Rewari Bawal Road

Rewari-123401, Haryana, India

has been assessed and accredited in accordance with the Standard

ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”

In the field of

Testing

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued compliance with the above standard & any other requirements specified by QAI.



QAI/CIA/TL/2026/0179

Valid from: 30 July 2026

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Valid until: 29 July 2028

Prof. Vikram Kumar
Chair, CIA



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Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Petroleum & Products		
1.	Anhydrous Ethanol	Acidity (as CH ₃ COOH)	IS 15464 Annex D: 2022
2.	Anhydrous Ethanol	Aldehyde (as CH ₃ CHO) Content	IS 15464 Annex E: 2022
3.	Anhydrous Ethanol	Alkalinity	IS 15464 Annex D: 2022
4.	Anhydrous Ethanol	Appearance	Visual
5.	Anhydrous Ethanol	Ethanol Content/ Ethanol Percent	IS 15464 Annex B: 2022
6.	Anhydrous Ethanol	Miscibility with water	IS 15464 ANNEX J: 2022
7.	Anhydrous Ethanol	Relative Density/Specific Gravity at 15.6/15.6°C	IS 15464 Annex A: 2022
8.	Anhydrous Ethanol	Water Content	ASTM D7923: 2025
9.	Automotive Diesel Fuel (HSD) & It's Variants (XG HSD, Biodiesel blends up to B20)	Calculated Cetane Index	ASTM D4737: 2021
10.		Appearance	Visual
11.		Distillation Temperature at 95% Volume Recovery	ASTM D86: 2023



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	Petroleum & Products		
12.	Automotive Diesel Fuel (HSD) & It's Variants (XG HSD, Biodiesel blends up to B20)	Distillation Temperature at 95% Volume Recovery	IS 1448 Part 18: 2020
13.		Flash Point (Abel)	IS 1448 Part 20: 2019
14.		Pour Point	IS 1448 Part 10/Sec 2: 2021
15.	Automotive Diesel Fuel (HSD) and its variants (XG HSD, Biodiesel blends up to B20), Biodiesel (B-100)	Kinematic Viscosity @ 40 degree Celsius	IS 1448 Part 25 Sec 1: 2025
16.		Kinematic Viscosity @ 40 degree Celsius	ASTM D7042: 2025
17.	Automotive Diesel Fuel (HSD) and its variants (XG HSD, Biodiesel blends up to B20) Biodiesel (B-100), Motor Gasoline (MG) & it's Variants (XP MG, Ethanol blends up to E20)	Density by Hydrometer Method	IS 1448 Part 16: 2019



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Petroleum & Products		
18.	Automotive Diesel Fuel (HSD) and its variants (XG HSD, Biodiesel blends up to B20) Biodiesel (B-100), Motor Gasoline (MG) & it's Variants (XP MG, Ethanol blends up to E20), Ethanol	Total Sulphur	ASTM 5453: 2019
19.	Automotive Diesel Fuel (HSD) and variants (XG HSD, Biodiesel blends up to B20), Biodiesel (B-100), Motor Gasoline (MG) & it's Variants	Density by Digital Density Meter	ASTM D4052: 2022
20.	Automotive Diesel Fuel (HSD) and variants, (XG HSD, Biodiesel blends up to B20), Biodiesel (B-100), Motor Gasoline (MG) & its Variants (XP MG, Ethanol blends up to E20)	Copper Corrosion Test	IS 1448 Part 15: 2021



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Petroleum & Products		
21.	Biodiesel (B-100)	Acid Value	ASTM D974: 2022
22.	Biodiesel (B-100)	Appearance	Visual
23.	Biodiesel (B-100)	Cold Filter Plugging Point (CFPP)	IS 1448 Part 110: 2023
24.	Biodiesel (B-100)	Colour	Visual
25.	Biodiesel (B-100)	Flash Point (PMCC)	IS 1448 Part 21: 2019 Amd. 1: 2025
26.	Biodiesel (B-100) and Automotive Diesel Fuel (HSD) & its Variants	Water Content	IS 1448 Part 182: 2020
27.	Motor Gasoline (MG) & It's Variants (XP MG, Ethanol blends	Appearance	Visual
28.	Motor Gasoline (MG) & It's Variants (XP MG, Ethanol blends	Colour	Visual
29.	Motor Gasoline (MG) & It's Variants (XP MG, Ethanol blends up to E25)	Distillation % Evaporated at Prescribed Temperature	IS 1448 Part 18: 2020
30.	Motor Gasoline (MG) & It's Variants (XP MG, Ethanol blends up to E25)	Distillation % Evaporated at Prescribed Temperature	ASTM D86: 23a'1

This is annexure to 'Certificate of Accreditation' and does not require any signature.

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Petroleum & Products		
31.	Motor Gasoline (MG) & It's Variants (XP MG, Ethanol blends up to E25)	Distillation Final Boiling Point °C	IS 1448 Part 18: 2020
32.	Motor Gasoline (MG) & It's Variants (XP MG, Ethanol blends up to E25)	Distillation Final Boiling Point °C	ASTM D86: 23a'1
33.	Motor Gasoline (MG) & It's Variants (XP MG, Ethanol blends up to E25)	Distillation Initial Boiling Point °C	IS 1448 Part 18: 2020
34.	Motor Gasoline (MG) & It's Variants (XP MG, Ethanol blends up to E25)	Distillation Initial Boiling Point °C	ASTM D86: 23a'1
35.	Motor Gasoline (MG) & It's Variants (XP MG, Ethanol blends up to E25)	Distillation Residue	IS 1448 Part 18: 2020
36.	Motor Gasoline (MG) & It's Variants (XP MG, Ethanol blends up to E25)	Distillation Residue	ASTM D86: 23a'1
37.	Motor Gasoline (MG) & It's Variants (XP MG, Ethanol blends up to E25)	Gum Content (Solvent Washed)	IS 1448 Part 29: 2021

