Quality And Accreditation Institute

Centre for International Accreditation

Certificate of Accreditation

Mughalsarai Calibration Laboratory
Indian Oil Corporation Limited (Marketing Division)

Alinagar, Chandauli
Mughalsarai-232101, Uttar Pradesh, 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

Calibration

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

QAI/CIA/CL/2026/0011

Valid from: ***23 October 2026***

Valid until: ***22 October 2028***

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA

User is advised to verify the current certificate and scope of accreditation by visiting our website: www.qai.org.in

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Scope of Accreditation

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Alinagar, Chandauli

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Discipline- Density & Viscosity				
Sl. No.	**Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument**	**Calibration or Measurement Method or Procedure**	**Measurement Range and Additional Parameters Where Applicable (Range and Frequency)**	***Calibration and Measurement Capability (CMC) (±)**
At Permanent Laboratory				
1.	Density Hydrometer	Using Standard Density Hydrometer and density Liquids by Comparison Method as per IS 3104 (Part-II)-1982	0.700-0.750 g/cm^3	±0.0009 g/cm^3
2.	Density Hydrometer	Using Standard Density Hydrometer and density Liquids by Comparison Method as per IS 3104 (Part-II)-1982	0.750-0.800 g/cm^3	±0.0009 g/cm^3
3.	Density Hydrometer	Using Standard Density Hydrometer and density Liquids by Comparison Method as per IS 3104 (Part-II)-1982	0.800-0.850 g/cm^3	±0.0009 g/cm^3

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Thermal Discipline- Temperature				
Sl. No.	**Measurand or Reference Material/ Type of Instrument or Material to be Calibrated or Measured/ Quantity Measured/ Instrument**	**Calibration or Measurement Method or Procedure**	**Measurement Range and Additional Parameters Where Applicable (Range and Frequency)**	***Calibration and Measurement Capability (CMC) (±)**
At Permanent Laboratory				
1.	Glass Thermometer	Using RTD with sensor by Comparison Method as per IS 6274:2026	0 to 50°C	±0.44°C

*** CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.**