

FEDERATION FOR DEVELOPMENT OF ACCREDITATION SERVICES

118-119, First Floor, Sushant Tower, Sector – 56, Gurugram – 122011, Haryana, India.



CERTIFICATE OF ACCREDITATION (AS PER ISO/IEC 17025:2017)

This is to attest that

KOBOLD INSTRUMENTS PVT LTD.

Near Joshi Hospital, 797/5, Renuka Bungalow,
Shivaji Nagar, Pune -411004 (Maharashtra), India

Calibration Laboratory

has demonstrated compliance with ISO/IEC Standard 17025:2017, General requirements for the competence of testing and calibration laboratories and supplementary criteria for Calibration laboratories.

Certificate Number: CL-131

Issue Date: 27.07.2024

Valid Until: 26.07.2026

The certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard and the relevant requirements of FDAS. (for scope of accreditation visit website www.fdasindia.org).


DEVI SARAN TEWARI
Director

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118-119, First Floor, Sushant Tower, Sector – 56, Gurugram – 122011, Haryana, India.



SCOPE OF ACCREDITATION

(Annexure to Certificate of CL - 131)

Laboratory Name: Kobold Instruments Pvt. Ltd.
Near Joshi Hospital, 797/5, Renuka Bungalow,
Shivaji Nagar, Pune, Maharashtra-411004

Validity: 27.07.2024 to 26.07.2026

Amended on N/A

S. No	Parameter	Calibration Method/ Procedure ¹ & Equipment used as Reference Standard	Range	Uncertainty in measurement*
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Fluid flow Calibration (Laboratory Based)

Group – Flow rate by volume				
1	Fluid Flow-Flow Measuring Devices	Using PD Meter by Comparison Method	5 to 20 l/hr	0.68% to 1.08%
			10 to 100 l/hr	0.69% to 0.62%
			15 to 550 l/hr	0.59% to 0.61%
			1 to 40 l/min	0.75% to 1%
			10 to 150 l/min	0.61 %
			15 to 200 l/min	0.65 %
		Using a Calibration Rig (300 kg Capacity) consisting of a diverter weighing scale and density hydrometer by Gravimetric method as per ISO 4185: 1980	1 to 10 l/min	0.31%
			1 to 40 l/min	0.26%
			15 to 180 l/min	0.26%
		Using Transducer-based Portable Ultrasonic Flow Meter by Comparison Method	1-20 m ³ /hr	1.4 %
			45 to 450 m ³ /hr	1.2 %

Jikendra Parmar

Dealing Officer

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Fluid flow Calibration (At Site)

Group – Flow rate by volume				
1	Fluid Flow- Flow Measuring Devices	Using Transducer-based Portable Ultrasonic Flow Meter by Comparison Method	1-20 m ³ /hr	1.4 %
			45 to 450 m ³ /hr	1.2 %

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Mechanical Calibration (Laboratory Based)

Group-Pressure& Vacuum				
1	Mechanical Pressure Indicating Devices	Using Digital Vacuum Gauge with vacuum Pump by comparison method as per DKD R-6-1:2014	-0.9 to 0 bar	0.016 bar
		Digital Pressure Gauge with Hydraulic Pump by comparison method as per DKD R-6-1:2014	0 to 30 bar	0.02 bar
			0 to 700 bar	0.31 bar

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Thermal Calibration (Laboratory Based)

Group- Temperature				
1	Thermal Temperature	Using a temperature bath with a Calibrator, RTD By Comparison Calibration	50 to 400 °C	0.30 °C

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Group- Temperature				
1	Thermal Temperature	Using a temperature bath with a Calibrator, RTD By Comparison Calibration	50 to 400 °C	0.30 °C

*Expanded uncertainty expressed in coverage probability of approximately 95 % (coverage factor k=2)

Jikendra Parmar

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