National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

YOUNG ENGG & CALIBRATION SERVICES PVT. LTD., BADDI

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

1ST. FLOOR, FLAT - 102, HIMACHAL ONE APARTMENT, SOLAN, HIMACHAL PRADESH, INDIA

in the field of

CALIBRATION

Certificate Number: CC-3861

Issue Date: 19/03/2024 **Valid Until:** 18/03/2026

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of thislaboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: YOUNG ENGG & CALIBRATION SERVICES PRIVATE LIMITED

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : YOUNG ENGG & CALIBRATION SERVICES PVT. LTD., BADDI, 1ST. FLOOR, FLAT - 102, HIMACHAL ONE APARTMANT, SOLAN, HIMACHAL PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3331 **Page No** 1 of 7

Validity 15/12/2021 to 14/12/2023 **Last Amended on** -

S.No	Discipline / Group	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)(±)
Permanent Facility					
1	MECHANICAL-VOLUME	Content type Volume ware Flask, Beaker	Using F1 Class weight and Weighing balance with Readability : 0.1 mg as per IS/ISO 4787	1 ml to 100 ml	19.74 µl
2	MECHANICAL-VOLUME	Content type Volume ware Flask, Beaker	Using F1 Class Weight and Weighing balance with Readability 10 mg as per IS/ISO 4787	> 100 ml to 2000 ml	34.54µl
3	MECHANICAL-WEIGHTS	Mass- weight F2 Accuracy Class and Coarser	Using F1 Class Weight Box and Weighing balance with d = 0.1 mg /OIML R 111	10 g	0.2mg
4	MECHANICAL-WEIGHTS	Mass- weight F2 Accuracy Class and Coarser	Using F1 Class Weight Box and Weighing balance with d = 0.1 mg OIML R 111	100 g	0.25mg
5	MECHANICAL-WEIGHTS	Mass- weight F2 Accuracy Class and Coarser	F1 Class Weight Box & Weighing balance with d = 0.1 mg/ OIML R-111	2 g	0.2mg

SCOPE OF ACCREDITATION

Laboratory Name :	YOUNG ENGG & CALIBRATION SERVICES PVT. LTD., BADDI, 1ST. FLOOR, FLAT - 102, HIMACHAL ONE APARTMANT, SOLAN, HIMACHAL PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3331	**Page No**	2 of 7
Validity	15/12/2021 to 14/12/2023	**Last Amended on**	-

S.No	Discipline / Group	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)(±)
6	MECHANICAL-WEIGHTS	Mass- weight F2 Accuracy Class and Coarser	F1 Class Weight Box and Weighing balance with d = 0.1 mg/ OIML R-111	20 g	0.2mg
7	MECHANICAL-WEIGHTS	Mass- weight F2 Accuracy Class and Coarser	F1 Class Weight Box and Weighing balance with d = 0.1 mg/ OIML R-111	200 g	0.45mg
8	MECHANICAL-WEIGHTS	Mass- weight F2 Accuracy Class and Coarser	F1 Class Weight Box & Weighing balance with d = 0.1 mg/ OIML R-111	5 g	0.2mg
9	MECHANICAL-WEIGHTS	Mass- weight F2 Accuracy Class and Coarser	F1 Class Weight Box and Weighing balance with d = 0.1 mg / OIML R-111	50 g	0.2mg
10	MECHANICAL-WEIGHTS	Mass- weight M1 Accuracy Class and Coarser	Using F1 Class Weight Box and Weighing balance with d= 0.1 mg OIML R 111	1 g	0.2mg
11	MECHANICAL-WEIGHTS	Mass- Weight M1 Accuracy class and Coarser	F1 Class Weight Box and Weighing balance d = 0.1 mg / OIML R-111	100 mg	0.2mg
12	MECHANICAL-WEIGHTS	Mass- Weight M1 Accuracy Class and Coarser	F1 Class Weight and Weighing balance with d=0.1 mg/ OIML R-111	20 mg	0.2mg

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3331 **Page No** 3 of 7

Validity 15/12/2021 to 14/12/2023 **Last Amended on** -

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13	MECHANICAL-WEIGHTS	Mass- weight M1 Accuracy Class and Coarser	F1 Class Weight Box and Weighing balance with d = 0.1 mg/ OIML R-111	200 mg	0.2mg
14	MECHANICAL-WEIGHTS	Mass- Weight M1 Accuracy Class and Coarser	F1 Class Weight Box and Weighing balance d=0.1 mg / OIML R-111	50 mg	0.2mg
15	MECHANICAL-WEIGHTS	Mass- weight M1 Accuracy class and Coarser	F1 Class Weight Box and Weighing balance d= 0.1 mg / OIML R-111	500 mg	0.2mg
16	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Indicator, Humidity sensor with Indicator	Digital Humidity Indicator and Humidity Chamber-Comparison Method	20% RH to 95% RH @ 25 °C	3.3%RH
17	THERMAL-TEMPERATURE	RTD / Thermocouple (with or without Temperature Indicator), Temperature Controller, Temperature Recorder, Dial Thermometer, Digital Thermometer with sensor	Using Standard RTD , Fluke 2638A Data Acquisition and Dry well bath-Comparison method DKD R 5-1	>100 ºC to 300 ºC	0.68ºC

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3331 **Page No** 4 of 7

Validity 15/12/2021 to 14/12/2023 **Last Amended on** -

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18	THERMAL-TEMPERATURE	RTD / Thermocouple (with or without Temperature Indicator), Temperature Controller, Temperature Recorder, Dial Thermometer, Digital Thermometer with sensor	USING R TYPE TC , Fluke 2638A Data Acquisition and Dry well bath- by comparison method,DKD R 5-1 / Euromat Cg 8	>300 ºC to 600 ºC	2.1ºC
19	THERMAL-TEMPERATURE	RTD / Thermocouple (with or without Temperature Indicator), Temperature Controller, Temperature Recorder, Dial Thermometer, Digital Thermometer with sensor	Using Standard RTD , Fluke 2638A Data Acquisition and Dry well bath- Comparison method DKD R 5-1	0 ºC to 100 ºC	0.43ºC

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3331	**Page No**	5 of 7
Validity	15/12/2021 to 14/12/2023	**Last Amended on**	-

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20	THERMAL-TEMPERATURE	Thermocouple (with or without Temperature Indicator), Temperature Controller, Temperature Recorder, Dial Thermometer, Digital Thermometer with sensor	USING R TYPE TC , Fluke 2638A Data Acquisition and Dry well bath- by comparison method,DKD R 5-1 / Euromat Cg 8	>600 ºC to 1200 ºC	3.5ºC

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3331 **Page No** 6 of 7

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Site Facility					
1	THERMAL-SPECIFIC HEAT & HUMIDITY	Humidity Indicator, Humidity sensor with Indicator	Digital Humidity Indicator and Humidity Chamber-Comparison Method	20% RH to 95% RH @ 25 °C	3.3%RH
2	THERMAL-TEMPERATURE	RTD / Thermocouple (with or without Temperature Indicator), Temperature Controller, Temperature Recorder, Dial Thermometer, Digital Thermometer with sensor	Using Standard RTD , Fluke 2638A Data Acquisition and Dry well bath-Comparison method DKD R 5-1	>100 ºC to 300 ºC	0.68ºC
3	THERMAL-TEMPERATURE	RTD / Thermocouple (with or without Temperature Indicator), Temperature Controller, Temperature Recorder, Dial Thermometer, Digital Thermometer with sensor	USING R TYPE TC , Fluke 2638A Data Acquisition and Dry well bath- by comparison method,DKD R 5-1 / Euromat Cg 8	>300 ºC to 600 ºC	2.1ºC

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3331 **Page No** 7 of 7

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4	THERMAL-TEMPERATURE	RTD / Thermocouple (with or without Temperature Indicator), Temperature Controller, Temperature Recorder, Dial Thermometer, Digital Thermometer with sensor	Using Standard RTD , Fluke 2638A Data Acquisition and Dry well bath- Comparison method DKD R 5-1	0 ºC to 100 ºC	0.43ºC
5	THERMAL-TEMPERATURE	Thermocouple (with or without Temperature Indicator), Temperature Controller, Temperature Recorder, Dial Thermometer, Digital Thermometer with sensor	USING R TYPE TC , Fluke 2638A Data Acquisition and Dry well bath- by comparison method,DKD R 5-1 / Euromat Cg 8	>600 ºC to 1200 ºC	3.5ºC

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