



Federation for Development of Accreditation Services

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

This is to attest that

M/s "PCI CALIBRATION AND TESTING CENTRE"

Plot No. EL-130, T.T.C. Industrial Area, Electronics Zone, MIDC, Mahape,
Navi Mumbai (Maharashtra) -400 710, 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-102

Issue Date: 17/04/2021

Valid Until: 16/04/2023

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 (scope of accreditation also displayed at www.fdasindia.org).


DEVI SARAN TEWARI
President



Federation for Development of Accreditation Services

SCOPE OF ACCREDITATION

Laboratory Name **M/s "PCI Calibration and Testing Centre"**
Plot No. EL-130, T.T.C. Industrial Area, Electronics Zone, MIDC, Mahape,
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Accreditation Standard ISO/IEC 17025:2017
Certificate Number CL-102 Page No.: 1/5

Validity 17/04/2021 to 16/04/2023 Last Amended on 13/02/2023

OPTICAL & PHOTOMETRY CALIBRATION

Laboratory based Calibration

S. No.	Parameter	Standard(S), BIS, ISO, ASTM, Regulators, etc.	Range	Uncertainty in Measurement*
1	Gloss- Glossmeter	Using Gloss Standards/ Manufacturer's User Manual and SOP no. PCIPL/01/2019	0.00 – 9.99 GU 10.00-93.99 GU 94.00-100.00 GU	±0.67 GU ±0.88 GU ±0.80 GU
2.	Color- Spectrophotometer	By Using White, Red, Yellow, Cyan Standards/ Manufacturer's User Manual and SOP no. PCIPL/02/2019	(380 to 780 nm)	Red Standard L*: 0.41 a*: -0.61 b*: 0.41 ΔE^* (CIE Lab) 0.46 Yellow Standard L*: -0.22 a*: -0.10 b*: 0.28 ΔE^* (CIE Lab) 0.46 Cyan Standard L*: -0.06 a*: 0.14 b*: -0.04 ΔE^* (CIE Lab) 0.46 White Standard L*: 0.01 a*: -0.11 b*: 0.00 ΔE^* (CIE Lab) 0.22

Jinkendra Parmar
Dealing Officer



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OPTICAL & PHOTOMETRY CALIBRATION

Laboratory based Calibration

S. No.	Parameter	Standard(S), BIS, ISO, ASTM, Regulators, etc.	Range	Uncertainty in Measurement*
3.	Color- Multiangle Spectrophotometer	By Using White, Grey, Green, Purple, Cyan Standards/ Manufacturer's User Manual and SOP no. PCIPL/05/2019	(380 to 780 nm)	White Standard L*: 0.05 a*: -0.06 b*: 0.05 ΔE^* (CIE Lab) 0.22 Grey Standard L*: -0.05 a*: -0.02 b*: 0.03 ΔE^* (CIE Lab) 0.31 Green Standard L*: -0.08 a*: 0.03 b*: -0.01 ΔE^* (CIE Lab) 0.46

Jikendra Parmar
Dealing Officer



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OPTICAL & PHOTOMETRY CALIBRATION

Laboratory based Calibration

S. No.	Parameter	Standard(S), BIS, ISO, ASTM, Regulators, etc.	Range	Uncertainty in Measurement*
				Purple Standard L*: -0.09 a*: -0.13 b*: 0.02 ΔE^* (CIE Lab) 0.46 Cyan Standard L*: -0.01 a*: -0.01 b*: 0.12 ΔE^* (CIE Lab) 0.46
4.	DOI- Wave Scan	Using Set of Orange peel standards and Standard set Wave Scan/Manufacturer's User Manual and SOP No. PCIPL/03/2019	0 -99 Units	± 2.20 Units

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OPTICAL & PHOTOMETRY CALIBRATION

Calibration at Site

S. No.	Parameter	Standard(S), BIS, ISO, ASTM, Regulators, etc.	Range	Uncertainty in Measurement*
1	Haze- Haze Gard	Using Haze Standards/ Manufacturer's User Manual and SOP no. PCIPL/04/2019	0 to 100 %	±0.53%
2.	Clarity- Haze Gard	Using Clarity Standards/ Manufacturer's User Manual and SOP no. PCIPL/04/2019	0 to 100 %	±0.53%
3.	Transmission- Haze Gard	Using Transmission Standards/ Manufacturer's User Manual and SOP no. PCIPL/04/2019	0 to 100 %	±0.61%

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MECHANICAL CALIBRATION

Laboratory based Calibration (Dimension)

S. No.	Parameter	Standard(S), BIS, ISO, ASTM, Regulators, etc.	Range	Uncertainty in Measurement*
1	Thickness - Digital Film Thickness Gauge	Using Certified Shims/ Manufacturer's User Manual Catalogue No. and SOP no. PCIPL/06/2019	0.1 μ m to 100 μ m 101 μ m to 250 μ m 251 μ m to 513.4 μ m	\pm 2.9 μ m \pm 4.4 μ m \pm 12.8 μ m

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

Jikendra Parmar
Dealing Officer