



## 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](http://www.fdasindia.org)).

**DÉVI 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 .....

### OPTICAL & PHOTOMETRY CALIBRATION

#### Laboratory based Calibration

S. No.	Parameter	Measurement Range and additional parameter where applicable (Range and Frequency)	Expanded Uncertainty ( $\pm$ )	Calibration or measurement method or procedure.
1	Gloss- Glossmeter	0.00 – 9.99 GU 10.00-93.99 GU 94.00-100.00 GU	$\pm 0.67$ GU $\pm 0.88$ GU $\pm 0.80$ GU	Using Gloss Standards/ Manufacturer's User Manual and SOP no. PCIPL/01/2019
2.	Color- Spectrophotometer	(380 to 780 nm)	Red Standard L*: 0.41 a*: -0.61 b*: 0.41 $\Delta E^*$ (CIELab) 0.46  Yellow Standard L*: -0.22 a*: -0.10 b*: 0.28 $\Delta E^*$ (CIELab) 0.46  Cyan Standard L*: -0.06 a*: 0.14 b*: -0.04 $\Delta E^*$ (CIELab) 0.46	By Using White, Red, Yellow, Cyan Standards/ Manufacturer's User Manual and SOP no. PCIPL/02/2019

  
Dealing Officer



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Certificate Number CL-102 Page No.: 2/5

Validity 17/04/2021 to 16/04/2023 Last Amended on .....

### OPTICAL & PHOTOMETRY CALIBRATION

#### Laboratory based Calibration

S. No.	Parameter	Measurement Range and additional parameter where applicable (Range and Frequency)	Expanded Uncertainty ( $\pm$ )	Calibration or measurement method or procedure.
			White Standard L*: 0.01 a*: -0.11 b*: 0.00 $\Delta E^*$ (CIE Lab) 0.22	
3.	Color- Multiangle Spectrophotometer	(380 to 780 nm)	White Standard L*: 0.05 a*: -0.06 b*: 0.05 $\Delta E^*$ (CIE Lab) 0.22  Grey Standard L*: -0.05 a*: -0.02 b*: 0.03 $\Delta E^*$ (CIE Lab) 0.31  Green Standard L*: -0.08 a*: 0.03 b*: -0.01 $\Delta E^*$ (CIE Lab) 0.46	By Using White, Grey, Green, Purple, Cyan Standards/ Manufacturer's User Manual and SOP no. PCIPL/05/2019

  
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Certificate Number CL-102 Page No.: 3/5

Validity 17/04/2021 to 16/04/2023 Last Amended on .....

### OPTICAL & PHOTOMETRY CALIBRATION

#### Laboratory based Calibration

S. No.	Parameter	Measurement Range and additional parameter where applicable (Range and Frequency)	Expanded Uncertainty ( $\pm$ )	Calibration or measurement method or procedure.
			Purple Standard L*: -0.09 a*: -0.13 b*: 0.02 $\Delta E^*$ (CIE Lab) 0.46  Cyan Standard L*: -0.01 a*: -0.01 b*: 0.12 $\Delta E^*$ (CIE Lab) 0.46	
4.	DOI- Wave Scan	0 -99 Units	$\pm 2.20$ Units	Using Set of Orange peel standards and Standard set Wave Scan/Manufacturer's User Manual and SOP No. PCIPL/03/2019

  
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Certificate Number CL-102 Page No.: 4/5

Validity 17/04/2021 to 16/04/2023 Last Amended on .....

### OPTICAL & PHOTOMETRY CALIBRATION

#### Calibration at Site

S. No.	Parameter	Measurement Range and additional parameter where applicable (Range and Frequency)	Expanded Uncertainty ( $\pm$ )	Calibration or measurement method or procedure.
1	Haze- Haze Gard	0 to 100 %	$\pm 0.53\%$	Using Haze Standards/ Manufacturer's User Manual and SOP no. PCIPL/04/2019
2.	Clarity- Haze Gard	0 to 100 %	$\pm 0.53\%$	Using Clarity Standards/ Manufacturer's User Manual and SOP no. PCIPL/04/2019
3.	Transmission- Haze Gard	0 to 100 %	$\pm 0.61\%$	Using Transmission Standards/ Manufacturer's User Manual and SOP no. PCIPL/04/2019

  
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Certificate Number CL-102 Page No.: 5/5

Validity 17/04/2021 to 16/04/2023 Last Amended on .....

### MECHANICAL CALIBRATION

#### Laboratory based Calibration (Dimension)

S. No.	Parameter	Measurement Range and additional parameter where applicable (Range and Frequency)	Expanded Uncertainty ( $\pm$ )	Calibration or measurement method or procedure.
1	Thickness - Digital Film Thickness Gauge	0.1 $\mu$ to 100 $\mu$ 101 $\mu$ to 250 $\mu$ 251 $\mu$ to 513.4 $\mu$	$\pm 2.9 \mu$ $\pm 4.4 \mu$ $\pm 12.8 \mu$	Using Certified Shims/ Manufacturer's User Manual Catalogue No. and SOP no. PCIPL/06/2019

Dealing Officer