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

PCI TEX CALIBRATION AND TESTING CENTRE
(Premier Colorscan Instruments Pvt. Ltd.)
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 thecompetence of testing and calibration laboratories and supplementary criteria for calibration laboratories.

Certificate Number: CL-106

Issue Date: 07.12.2024 **Valid Until:** 06.12.2026

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

FEDERATION FOR DEVELOPMENT OF ACCREDITATION SERVICES

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

SCOPE OF ACCREDITATION

(Annexure to Certificate of CL-106)

Laboratory Name: **M/s PCI Tex Calibration and Testing Centre**
Plot No. EL-130, T.T.C. Industrial Area, Electronics Zone, MIDC, Mahape, Navi Mumbai (Maharashtra) -400 710, India

Validity: 07-12-2024 to 06-12-2026 **Amended on**: NA

ELECTROTECHNICAL/MECHANICAL /THERMAL CALIBRATION
Calibration at Site

S. No.	Parameter	Calibration Method/ Procedure & Equipment used as Reference Standard	Range	Uncertainty in Measurement (±) *
1.	**Crockmeter / Crocking Tester**			
	Mass	PCITEXCAL/SOP/ 01 based on ISO 105 X 12, AATCC 8	100 g -1100 g	2.04 g
	Linear Dimension		5 mm-110 mm (stroke length)	0.33 mm
			5 mm-20 mm (diameter)	0.076 mm
	Stroke Speed		1 SPS -12 SPS	0.02 SPS
2.	**Martindale Abrasion and Pilling Tester**			
	Lissajous figure's Dimensions	PCITEXCAL/SOP/02 based on ISO 12947- ISO 12945-2, ASTM D 4966 and ASTM D 4970	1 mm – 65 mm	0.31 mm
	Mass		100g to 250g	0.06 g
			251g to 1000g	0.06 g
			1001 g to 3000 g	0.06 g
	Linear Dimension		0.5 mm to 10 mm	0.03 mm
			11 mm to 130mm	0.04 mm
	Rotational Speed		1 RPM-60 RPM	0.99 RPM
3.	**Perspirometer/Perspiration Tester**			
	Mass	PCITEXCAL/SOP/06 based on AATCC 15, ISO E01, ISO 105 EO4	100g-5500g	0.06 g
	Linear Dimension (of sample plates)		0 mm – 600 mm	0.03 mm
4.	**Box Pilling Tester**			
	Linear Dimension	PCITEXCAL/SOP/07 based on ISO 12945-1	0 mm-600 mm	0.34 mm
	Rotational Speed		40 RPM- 100 RPM	0.99 RPM
5.	**Random Tumble Pilling Tester**			
	Linear Dimension	PCITEXCAL/SOP/08 based on BS EN 12945-1, 3	0 mm-200 mm	0.06 mm
	Rotational Speed		500 RPM-2000 RPM	3.55 RPM
	Time		100 sec. – 2200 s.	0.74 s
	Pressure		0 PSI – 15 PSI	0.03 PSI

Dealing Officer

SCOPE OF ACCREDITATION

(Annexure to Certificate of CL-106)

Laboratory Name: **M/s "PCI Tex Calibration and Testing Centre"**
Plot No. EL-130, T.T.C. Industrial Area, Electronics Zone, MIDC, Mahape, Navi Mumbai (Maharashtra) -400 710, India

Validity: 07-12-2024 to 06-12-2026 **Amended on**: NA

ELECTROTECHNICAL/MECHANICAL /THERMAL CALIBRATION
Calibration at Site

S. No.	Parameter	Calibration Method/ Procedure & Equipment used as Reference Standard	Range	Uncertainty in Measurement (±) *
			0 kPa – 104 kPa	0.09 kPa
6.	**Launderometer / Washing Fastness Tester**			
	Linear Dimension	PCITEXCAL/SOP/09 based on ISO 105 C06, AATCC 61	0 mm- 600mm	1.104 mm
	Rotational Speed		20 RPM-100 RPM	0.79 RPM
	Time		500 s – 2000 s	0.48 sec
	Temperature		20^0 C -100 ^{0} C	1.25^0 C
	Volume of Containers (by calculation formula, using Linear Dimensions)		100 ml – 2000 ml	1.94 ml
7.	**Wascator/Front Loading Washer or washing machine**			
	Linear Dimension	PCITEXCAL/SOP/10 based on ISO 6330	50 mm to 250 mm	0.87 mm
	Temperature		25 ^{0} C - 95 ^{0} C	1.35^0 C
	Rotational Speed		45 RPM- 55 RPM	0.98 RPM
			450 RPM -900 RPM	3.16 RPM
	Time		1 to 40 s	0.66 s
	Mass		500 g – 1000 g	0.07 g
			1000 g – 5000 g	0.07 g
			5000 g – 6000 g	0.11 g
8.	**Washer/Top Loading Washing Machine**			
	Volume	PCITEXCAL/SOP/11 based on AATCC 88 B, 88 C, 124, 130, 135, 142, 143, 150, 172, 179, AATCC Monograph M6, AATCC LP1	1 Gal -22 Gal	0.14 Gal
	Temperature		10 ^{0} C - 90 ^{0} C	1.29^0 C
	Time		60 s - 1200 s	1.73 s
	Agitation Speed		10 SPM – 200 SPM	1.18 SPM
	Spin Speed		300 RPM – 800 RPM	1.54 RPM

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SCOPE OF ACCREDITATION

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Validity: 07-12-2024 to 06-12-2026 **Amended on**: NA

ELECTROTECHNICAL/MECHANICAL /THERMAL CALIBRATION
Calibration at Site

S. No.	Parameter	Calibration Method/ Procedure & Equipment used as Reference Standard	Range	Uncertainty in Measurement (±) *
9.	**ISO Tumble Dryer**			
	Linear Dimension (Drum)	PCITEXCAL/SOP/03 based on ISO 6330	300 mm-700 mm	1.96 mm
	Volume (by calculation/formulation, using linear dimensions)		80 liter – 150 liter	1 liter
	Temperature		25 ^{0}C - 90 ^{0}C	0.91 ^{0} C
	Time		1min. – 15 min.	0.97 s
10.	**Ovens/Incubators**			
	Temperature	PCITEXCAL/SOP/05 based on ISO 105 E01, AATCC 15	25 ^{0}C - 42 ^{0}C	0.62 ^{0}C
11.	**Sample Cutter**			
		PCITEXCAL/SOP/04 based on ASTM D 3776/2646, ISO 3801, BS 3424/2471, BS EN 12127, ASTM D 4966, ISO 17076-2, ISO 17704, ISO 12947, ISO 12945-2, ASTM D 4970, ISO 20344, ISO 26082-1, ISO 5470-2	30 mm to 150 mm	0.12 mm
12.	**Flammability Tester**			
	Time	PCITEXCAL/SOP/12 based on ASTM D 1230, CFR 16 1610,	0.5 s – 40 s	0.14 s
	Angle		30 ^{0}- 50 ^{0}	1.22 ^{0}
	Linear Dimension		5mm-20mm	1.17 mm
			100mm – 400mm	1.99 mm
	Mass (used for timer halt)		10 g to 50 g	0.03 g

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ELECTROTECHNICAL/MECHANICAL /THERMAL CALIBRATION
Calibration at Site

S. No.	Parameter	Calibration Method/ Procedure & Equipment used as Reference Standard	Range	Uncertainty in Measurement (±) *
13.	**Pneumatic Bursting Tester**			
	Time	PCITEXCAL/SOP/ 15 based on ASTM D 3786:2018, ISO 13938-1:1999, ISO 13938-2:1999	1 s – 30 s	0.33 s.
	Linear Dimension (Distension)		0 mm to 30 mm	1.28 mm
			40 mm to 80 mm	1.41 mm
	Linear Dimension (Diameter)		25 mm to 115 mm	0.03 mm
	Pressure		0 kPa – 1600 kPa	3.26 kPa
14.	**Hydraulic Bursting Tester**			
	Time	PCITEXCAL/SOP/ 16 based on ASTM D 3786:2018, ISO 13938-1:1999, ISO 13938-2:1999	15 s – 25 s	0.33 s
	Distension		0 mm to 80 mm	1.41 mm
	Linear Dimension (Diameter)		25 mm to 115 mm	0.11 mm
	Pressure		0 kPa – 2000 kPa	1.87 kPa
			2001 kPa – 7000 kPa	4.54 kPa
15.	**Universal Testing Machine**			
	Force using masses	PCITEXCAL/SOP/ 13 based on ISO 7500-1:2018	1 N - 20 N (class-0.5)	0.10 %
	Force using Proving Transducers		30 N – 10 kN (class-0.5)	0.33 %
16.	**Elmendorf Tear Strength Tester**			
	Mass	PCITEXCAL/SOP/14 based on ISO 13937-1, ASTM 1424	400 g to 7500 g	0.68 g
	Linear Dimension		2 mm – 110 mm	0.08 mm
17.	**AATCC Dryer**			
	Temperature	PCITEXCAL/SOP/17 based on AATCC 88 B, 88 C, 124, 130, 135, 142, 143, 150, 172,179	30 ^{0}C – 80 ^{0}C	0.99^0 C
	Time		10 s. - 700 s.	1.33 s
18.	Weighing Scale	PCITEXCAL/SOP/18 based on OIML R76-1 :2006	1 g - 1000 g 1001g -10000 g	0.091 g 0.098 g

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

Dealing Officer