

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 253
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Accreditation No: LAB 253

Awarded to

Dawn Calibration Lab (DCL)
75-M, Model Town Extension, Lahore, Pakistan.

The scope of accreditation is in accordance with the standard specifications outlined in the following page(s) of this document. The accredited scope shall be visible and legible in areas such as customer service, sample-receiving section etc. and shall not mislead its users.

The accreditation was first time granted on **03-02-2022** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2017**.

The accreditation requires regular surveillance, and is valid until **02-02-2028**.

The decision of accreditation made by Pakistan National Accreditation Council implies that the organization has been found to fulfill the requirements for accreditation within the scope.

The organization however, itself is responsible for the results of performed measurements/tests.

PAKISTAN NATIONAL ACCREDITATION COUNCIL

12-05-2025
Date

SD
Director General

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Calibration Laboratory.

Accreditation Scope of Dawn Calibration Lab (DCL). 75-M, Model Town Extension, Lahore, Pakistan.

Permanent laboratory premises ☒

Field of measurement:			
Measured quantity	Range	*Expanded Uncertainty (±)	Technique, Reference Standard, Equipment
Mass M1 and below class) (10 mg to 500 mg) (F2 and below class) (1 g to 5000 g)	10 mg	0.08 mg	Reference Standards: Analytical Balance OIML R111-1 10 mg to 500 mg: F2 Class 1 g to 5kg: F1 Class
	50 mg	0.08 mg	
	100 mg	0.09 mg	
	200 mg	0.08 mg	
	500 mg	0.09 mg	
	1gm	0.00011 g	
	50gm	0.00017 g	
	100gm	0.00026 g	
	200gm	0.00051g	
	1000g	0.00075 g	
	5000g	0.00063 g	
Pressure	10.0 psi	0.23 psi	Reference Standards: Digital Pressure Gauge, Pressure Calibrator Method Used: DKD 6-1
	50.0 psi	0.41 psi	
	100.0 psi	0.41 psi	
	150.0 psi	0.73 psi	
Humidity & Temperature	25 °C	0.67 °C	Reference Standards: 1. RH Generator (Burar Germany) 2. Calibrated Hygrometer 3. Humidity Chamber Method Used: California Environmental Protection Agency, SL-SOP 005
	30 °C	0.70 °C	
	40 °C	0.72 °C	
	40%	3.5 %	
	50%	3.5 %	
	60%	3.6 %	
	75%	3.6 %	
	80%	4.0 %	

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Time	60 sec	0.50 sec	Reference Standards: Stop Watch Method Used: NIST SP 960-12
	300 sec	0.50 sec	
	1800 sec	0.60 sec	
	3600 sec	0.60 sec	
pH Measurement	4.01 pH	0.06 pH	Reference Standards: 1. pH Standard Solutions pH 4.1, pH 7.1, pH 10.1 2. pH Meter Method Used: USP<791>
	7.01 pH	0.05 pH	
	10.01 pH	0.05 pH	
Electrical Conductivity Measurement	84 μcm^{-1}	0.6 μcm^{-1}	Reference Standards: 1. Conductivity meter 2. Conductivity standard solution Method Used: USP <644>
	1413 μcm^{-1}	1.6 μcm^{-1}	
Refractive Index Measurement	1.3000 – 1.7000	0.1000	Reference Standards: 1. Refractometer 2. Glycerol solution Method Used: USP<831>
Length	1 mm	0.0058 mm	Reference Standards: 1. Vernier Caliper 2. Gauge Block Set Method Used: um LTM SOP 6
	20 mm	0.0058 mm	
	50 mm	0.0058 mm	

*** Expanded Uncertainty:**

- Expanded Uncertainty is the measurement uncertainty at a coverage probability of 95 %, which usually requires the use of a coverage factor of $k = 2$. This measurement uncertainty is a value for which the laboratory has been accredited using the procedure that was the subject of assessment. In certificates issued under its accreditation scope an accredited laboratory is not permitted to quote an uncertainty that is smaller than the published uncertainty for respective ranges as given above.

12-05-2025
Date

Sd

Director