CERTIFICATE OF ACCREDITATION

This is to attest

THE AUTOMOTIVE RESEARCH ASSOCIATION OF INDIA (HTC)

PLOT NO. E-1/1, MIDC CHAKAN INDUSTRIAL AREA, PHASE-III, TALUKA KHED, PUNE, 410 501, INDIA
SATELLITE FACILITY: SURVEY NO. 102, VETAL HILL, OFF PAUD ROAD, KOTHRUD, PUNE, 411 038, INDIA

Calibration Laboratory CL-274

has met the requirements of AC204, *IAS Accreditation Criteria for Calibration Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiration Date June 1, 2026
Effective Date June 9, 2025

International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

THE AUTOMOTIVE RESEARCH ASSOCIATION OF INDIA (HTC)

www.araiindia.com

Contact Name Mrs. Shilpa Ekbote **Contact Phone** +91-9822888072

Accredited to ISO/IEC 17025:2017 *Effective Date June 9, 2025*

Main Location

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY[1,2] (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Mechanical			
Load Cell (Tension & Compression)	100 N to 5 kN	0.11 %	By Comparison Method Using standard load cell with Indicator and force source IS 4169:2014 (ISO376:2011)[3]/ ASTM E74:2018
	5 kN to 50 kN	0.1 %	
	50 kN to 100 kN	0.07 %	

Satellite

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY[1,2] (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Mechanical			
Load Cell (Tension & Compression)	100 N to 1 kN	0.08 %	By Comparison Method Using standard load cell with Indicator and force source IS 4169:2014 (ISO376:2011)[3]/ ASTM E74:2018
	1 kN to 10 kN	0.06 %	
	10 kN to 100 kN	0.062 %	

[1]The uncertainty covered by the Calibration and Measurement Capability (CMC) is expressed as the expanded uncertainty having a coverage probability of approximately 95 %. It is the smallest measurement uncertainty that a laboratory can achieve within its scope of accreditation when performing calibrations of a best existing device. The measurement uncertainty reported on a calibration certificate may be greater than that provided in the CMC due to the behavior of the calibration item and other factors that may contribute to the uncertainty of a specific calibration.

** If information in this CMC is presented in non-SI units, the conversion factors stated in NIST Special Publication 811 "Guide for the Use of the International System of Units (SI)" apply.*

[2]When uncertainty is stated in relative terms (such as percent, a multiplier expressed as a decimal fraction or in scientific notation), it is in relation to instrument reading or instrument output, as appropriate, unless otherwise indicated.

[3]Classification of load cells against normative accuracy classes (e.g., as per ISO 376) is not within the scope of activities performed by the laboratory.