# CERTIFICATE OF ACCREDITATION

*This is to attest*

## INSTITUT PASTEUR DU CAMBODGE

#5, PREAH MONIVONG BOULEVARD, PO BOX 983
PHNOM PENH 120210, CAMBODIA

**Calibration Laboratory CL-254**

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 December 1, 2026
Effective Date October 31, 2025

IAS ACCREDITED

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 101, Brea, California 92821, U.S.A. | www.iasonline.org

## INSTITUT PASTEUR DU CAMBODGE

**Contact Name** Hokkean Lim **Contact Phone** +855-12650092

*Accredited to ISO/IEC 17025:2017* *Effective Date October 31, 2025*

**CALIBRATION AND MEASUREMENT CAPABILITY (CMC)***

| MEASURED QUANTITY or DEVICE TYPE CALIBRATED | RANGE | UNCERTAINTY[1,2] (±) | CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL) |
|---|---|---|---|
| ***Mechanical*** | | | |
| Pipette Type A | 0.5 µL to 20 µL<br>20 µL to 100 µL<br>100 µL to 1000 µL | 0.005 µL<br>0.03 µL<br>0.10 µL | Using digital precision balance & water grade 3 (ISO 3696) as per ISO 8655-6; ISO/TR 20461 |
| Weighing Balance[3] | 1 mg to 10 mg<br>20 mg<br>50 mg<br>100 mg<br>200 mg<br>500 mg<br>1 g<br>2 g<br>5 g<br>10 g<br>20 g<br>50 g<br>100 g<br>200 g | 0.004 mg<br>0.005 mg<br>0.007 mg<br>0.008 mg<br>0.010 mg<br>0.012 mg<br>0.015 mg<br>0.020 mg<br>0.039 mg<br>0.045 mg<br>0.053 mg<br>0.074 mg<br>0.13 mg<br>0.26 mg | Using standard weight (E2 Class) as per OIML R–76–1, Euramet Calibration Guide No. 18 |
| Weights from M3 class up to F1 class | 1 mg<br>2 mg<br>5 mg<br>10 mg<br>20 mg<br>50 mg<br>100 mg<br>200 mg<br>500 mg<br>1 g<br>2 g<br>5 g<br>10 g | 0.02 mg1<br>0.02 mg<br>0.02 mg<br>0.02 mg<br>0.02 mg<br>0.02 mg<br>0.02 mg<br>0.02 mg<br>0.02 mg<br>0.02 mg<br>0.03 mg<br>0.03 mg<br>0.04 mg | Using E2 Class Standard Weight & Precision Balance by Substitution Method of ABBA Weighing Cycle as per OIML R 111-1 |

** 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.*

| MEASURED QUANTITY or DEVICE TYPE CALIBRATED | RANGE | UNCERTAINTY[1,2] (±) | CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL) |
|---|---|---|---|
| | 20 g<br>50 g<br>100 g<br>200 g | 0.04 mg<br>0.05 mg<br>0.08 mg<br>0.16 mg | |
| ***Thermal*** | | | |
| Temperature Mapping[3]<br>Volume interior ≤ 10 $m^3$<br>Volume superior 10> $m^3$ | <br>-50 °C to +50 °C<br>-50 °C to +50 °C | <br>0.29 °C<br>1.5 °C | Using RTD sensors with Data Logger Multi Position Calibration as per FD X 15-140 |

[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.

[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]Also available as site calibration. Note that actual measurement uncertainties achievable at a customer's site can normally be expected to be larger than the uncertainties listed on this Scope of Accreditation.