



FDAS – 140, Policy on Measurement Uncertainty in Calibration and Testing

To comply with the ILAC policy on measurement uncertainty, FDAS complies with the following.

A. Calibration laboratories.

- i. Calibration laboratories to claim CMCs/BMCs along with their application for accreditation.
- ii. These claims are to be based on the basis on the principles of Guide to the expression of uncertainties in measurements (GUM) and supported by documentary evidence, which must be updated periodically.
- iii. Customers of the laboratory are to be provided the applicable CMCs.
- iv. When a laboratory decides to change the interval between two calibrations it should be justified and the records for justification are to be retained.

B. Testing laboratories:

- i. Testing laboratories must calculate the measurement uncertainty, and report to the customer on request.
- ii. Testing laboratories must consider measurement uncertainty while giving the opinion or interpretation of the results, regarding the fitness of the product tested.

C. General

- i. Calibration Laboratories are required to abide by ILAC Policy for measurement uncertainty in calibration ILAC P -14.
- ii. Testing laboratories are required to abide by ILAC Guidelines for measurement uncertainty in testing ILAC G-17.
- iii. Laboratories are required to follow the Principles of the Guide to the expression of uncertainties in measurements (GUM).
- iv. Testing laboratories may refer to EURACHEM/ CITAC Guide CG 4 (2012), Quantifying Uncertainty in Analytical Measurement, Third edition (available from www.eurachem.org).