



Method Validation and Quality Control for Chemical Testing

15 and 16 December 2025

Organized by

**Hong Kong Association for
Testing, Inspection and Certification Ltd.**

(Delivered by ex-HOKLAS Accreditation Officer)

This two-day course provides training for validation and verification of in-house and standard chemical methods to participants who work in chemical testing laboratories.

Objective

This two-day course aims to provide training and guidance on the validation and verification of chemical testing methods to obtain quality results. It provides participants approaches for determination of method performance characteristics covering precision, recovery, detection and quantitation limits; assessment of trueness and the linearity of correlation and calibration range. Techniques with use of certified reference materials, proficiency testing programmes and systematic approaches in verifying a testing method are addressed. Emphasis is given to the quality control activities such as verification of critical consumables and requirements of in-process control checks.

Outline

A. Preparation for method validation

- Blanks
- Critical consumables
- Traceability and CRMs (verification of reference materials)

B. Flow of analysis

- Environmental conditions
- Sub-sampling

C. Method performance characteristics

- Calibration and selectivity
- Limits
- Recovery and trueness:
 - i. use of CRM (ISO Guide 33);
 - ii. Comparison with standard methods (student t-test and F-test)
- Precision
- Others

D. Method Validation (Specific disciplines)

Procedures and criteria for setting method performance characteristics of the following disciplines

- Environmental testing
- Pharmaceutical testing:
- Food
- Requirements of HOKLAS

E. Confirmation criteria

- Confirmation criteria
- Number of identification points

F. Quality control plan

- In-process control parameters
- Equipment qualification (balance)
- Construction and interpretation of control chart
- Other quality checks such as performance of critical parameters

G. Examples and workshops

The course is designed and delivered by professional analytical chemist who was also an ex-HOKLAS Accreditation Officer. She has more than forty years of experience in chemical analysis. She was the co-chairman of the APLAC Technical Committee for preparation of the APLAC guidelines on the estimation of measurement uncertainty.

Who Should Attend

This course is designed for all laboratory staff members who are actively involved in quality aspects of the laboratory, including managers, supervisors, approved signatories, authorized representatives, etc.

Date

Monday and Tuesday
15 and 16 December 2024 (2 days)

Time

9:30 am to 5:15pm

Venue

Near MTR station;

To be announced 1 week before the training via email

Instructors

Ms. Sandra Ho
HOKLAS Lead and Technical Assessor
Previously Chemist in Govt. Laboratory and Accreditation Officer in HOKLAS
Over 40 years of experience in chemical analysis

No. of Participants

First-come-first-served basis (Priority will be given to members.)

Language

Chinese (with English course material)

Registration

1. Email the complete the registration form to info@hktic.org
2. Prepare a crossed cheque payable to "Hong Kong Association for Testing, Inspection and Certification Limited." for the fee .

3. Post the completed registration form and signed cheque to the following address:

HKTIC Secretariat
1/F., CMA Building,
64-66 Connaught Road Central,
Hong Kong.

Fee

HK\$4,000 for HKTIC members
HK\$4,800 for non-members

This fee covers course notes. (Fees will be refunded for unsuccessful registration or course cancellation).

Deadline

Monday, 1 December 2025

Assessment

There will not be any assessment at the end of the course. Those that have attended will receive a ‘**Certificate of Completion**’ from HKTIC.

Enquiry

Email: info@hktic.org
Tel.: 3652 7515

HKTIC Organized

Method Validation and Quality Control for Chemical Testing

Registration Form

Participants: Suitable for Managers, Supervisors, Approved Signatories,
Authorized Representatives, Auditors

Course Content: Please see the attached outline

Date and Time: **15 and 16 December 2025**, 9:30am – 5:15pm

Venue: Near MTR station; to be announced 1 week before the training via email

Participant: Dr./Ir./Mr./Mrs./Ms./Miss _____
***Name to be shown on the certificate** **Full name in block letters, surname first**

Organization: _____

Position / Job Title: _____

Mobile No. / Phone: _____
 Participant Admin., HR, etc., if applicable

Email: _____
 Participant Admin., HR, etc., if applicable

Fee (HK\$): Please tick one HKTIC member \$4,000 ☐ Others \$4,800 ☐

Certificate (HK\$): Please tick one Physical certificate \$10 ☐ E-certificate free ☐

* CTT / CTP members could enjoy a \$200 discount.*

Payment: _____
 Cheque Bank Amount

Receipt Recipient: Please tick one Organization ☐ Participant ☐

Mailing address: _____
(For receiving the certificate and receipt): _____

☐ I/We do not agree with the use and provision of my/our personal data for receiving any promotional materials from Hong Kong Association for Testing, Inspection and Certification Ltd and/or its service providers .

For registration, please

- 1) email the completed registration form to info@hktic.org;
- 2) prepare a signed crossed cheque payable to "Hong Kong Association for Testing, Inspection and Certification Limited"; and
- 3) post the completed registration form and signed crossed cheque on or before 1 December 2025 to HKTIC Secretariat, 1/F., CMA Building, 64-66 Connaught Road Central, Hong Kong.

For enquiry, please contact HKTIC Secretariat

Email: info@hktic.org
 Tel.: (852) 3652 7515