

PROCEDURES OF METHOD VALIDATION & VERIFICATION



Course Overview

This comprehensive training course is meticulously designed to provide participants with an in-depth understanding of method validation principles and practices. The curriculum encompasses essential statistical tools, performance characteristics, and documentation requirements critical for effective method validation.

Participants will gain valuable insights into method validation to ensure the methods are fit for the intended uses with the required accuracy, reliability, and consistency upon which business and regulatory decisions can be made.

This course is ideally suited for :

- Laboratory analysts
- Quality control personnel
- Research scientists
- Individuals involved in the development, validation and transfer of analytical methods

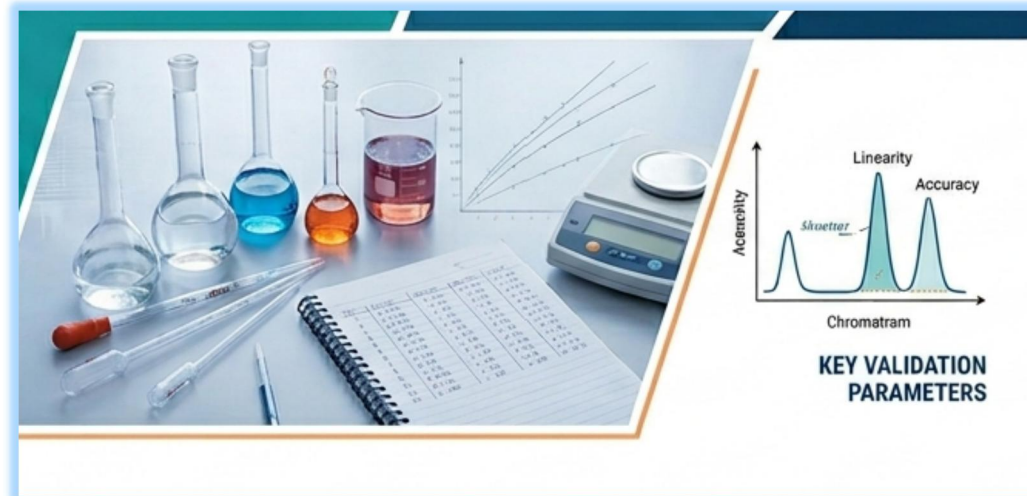
Course Objectives

Upon completion of this course, participants will be able to :

- Articulate the importance of method validation and its integral role in the analytical process.
- Apply fundamental statistical tools for method validation.
- Evaluate and interpret method performance characteristics.
- Comprehend the requirements of ISO 17025 pertaining to method validation.
- Document and report method validation data effectively.

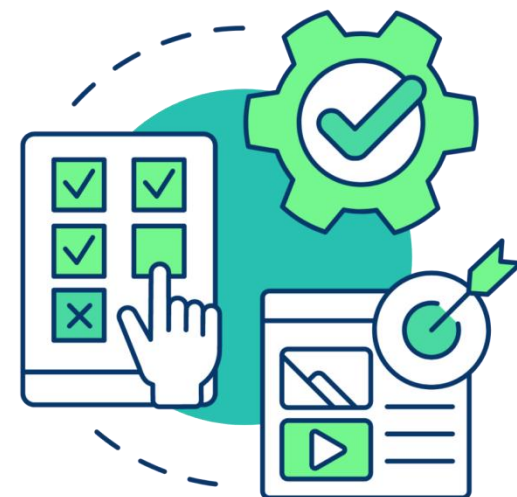


*Organised by IKM (Perak Branch)
Professional Training Center*



Course Content

The course focuses on the fundamentals, including the definition and importance of method validation, ISO 17025 requirements, the analytical process, and basic statistical tools such as the Central Limit Theorem, t-tests, F-tests, ANOVA, pooled standard deviation (SD), and relative standard deviation (RSD). It delves into method performance characteristics, including selectivity, working range, calibration, regression analysis, limits of detection and quantification, sensitivity, and ruggedness, procedures for estimating precision (repeatability, reproducibility, and intermediate precision) and bias (utilizing certified reference materials and spike recovery), interlaboratory comparisons, documentation, reporting, and continuous monitoring of method validation data.



Trainer : ChM Chang Hon Fong

Biography



Mr. Chang Hon Fong is a distinguished analytical chemist with a M.Sc degree from the University of Bristol, United Kingdom, and an illustrious career spanning over 36 years in government service. He began his tenure at the Department of Chemistry (DOC), Malaysia in 1978, ascending to Deputy Director General (Operations) by 2011, a role he held until his retirement in 2014. His expertise encompasses all facets of analytical chemistry, focusing on quality system management, advanced instrumental techniques, and chemical metrology.

Mr. Chang has been an active member of the Malaysian Institute of Chemistry (IKM) Council since 2005, serving multiple terms and holding key positions such as Honorary Secretary (2014-2018, and from 2021 onwards). Recognized for his contributions, he was elected as a Fellow of IKM in 2009 and received the prestigious IKM Gold Medal Award in 2013 for his exceptional service to the chemistry profession in Malaysia.

Over the past three decades, Mr. Chang has conducted numerous training courses and presented extensively on chemical metrology topics, including method validation and measurement uncertainty. Since 1997, he has served as a qualified lead assessor for the ISO 17025 laboratory accreditation scheme, demonstrating his commitment to promoting accurate analytical measurements.





Date : 10 - 11th August 2026
(Monday - Tuesday)



Time : 9:00 am - 5:00 pm



Location : EMR, Level G, Kingston 15 @ Tower Regency Hotel & Suite, Ipoh
(Car Park Fee : RM3.00 per entry for guest who attending function. Complimentary parking will be extended for in-house guest for the 1st entry only. For the second entry onward, RM3.00 will be charged accordingly. Remember to validate your parking ticket at Hotel Front Office and made payment at Autopay Station located at Ground Floor and 1st Floor before exit)



Contact : Ms. Chon Huey Chian, chonhueychian@gmail.com, +6016-5120710

Registration fee	
IKM Member	RM750.00
IKM Member (HRDC Claimable Fee)	RM782.00
Non IKM Member	RM950.00
Non IKM Member (HRDC Claimable Fee)	RM990.00



Registration Closing Date : 31st July 2026



Terms & Conditions

The organizer reserves the right to make changes to the program , including cancellation or rescheduling, due to unforeseen circumstances. All efforts will be made to inform registered participants of such changes. The organizer shall not be held responsible for any damage or expenses incurred by participants because of alternative arrangements.

The workshop registration fee must be paid to :

“Institut Kimia Malaysia Perak Branch”
Public Bank Account No. : 3096895915

No refund of the registration fee will be provided for cancellations made after the closing date. However, a registered participant can be replaced by another person at no additional cost. Kindly email the registration form & payment slip to

Ms. Chon Huey Chian, chonhueychian@gmail.com, +6016-5120710

For hotel room reservations, please contact Kingston 15 @ Tower Regency Hotel & Suite, 6-8, Jalan Dato Seri Ahmad Said, 30450 Ipoh, Perak.

Website : <https://www.kingstonhotels.com.my/>

Contact Number : +6018-2285288

Registration Form (Code : MVV)

Participants' Name (Include IKM membership Number) Company Name and Address :

Participant Name (Include IKM membership Number)	IKM Member	Non-IKM Member
1. _____	<input type="checkbox"/>	<input type="checkbox"/>
2. _____	<input type="checkbox"/>	<input type="checkbox"/>
3. _____	<input type="checkbox"/>	<input type="checkbox"/>
4. _____	<input type="checkbox"/>	<input type="checkbox"/>
5. _____	<input type="checkbox"/>	<input type="checkbox"/>

Company Name and Address :

Telephone No. : _____ Email Address : _____