



Ascendent Technology Sdn. Bhd.

(1093652-W)



Claimable



SBL Khas
Claimable



VOLUMETRIC GLASSWARE CALIBRATION (Competency Training)

PROGRAMME OVERVIEW:

This calibration training module is designed to meet ISO quality management system requirement include ISO 9001, ISO14001, ISO/TS 16949, ISO 22000, ISO/IEC 17025, GMP, HACCP and other quality management systems. Participant is anticipated to acquire knowledge in calibrating volumetric glassware, micro pipette, burette according to ISO/TR 20461. This module includes the evaluation of measurement uncertainty base on ISO Guide to the expression of uncertainty in measurement (GUM).

TARGET GROUP:

Quality Managers, Technical Managers, Laboratory Managers, Supervisors, Chemist, Engineer, Signatories of test reports & certificates, Laboratories Personnel.

OBJECTIVE:

At the end of the course, participants are expected to:

- 1) Acquire basic knowledge in using volumetric glassware.
- 2) Perform calibration independently
- 3) Perform necessary calculations include uncertainty estimation based on ISO Guide. [according to the model given only]
- 4) Able to generate ISO quality management system accepted calibration report

CONTENT:

- 1) Principle of metrology and iso requirements in calibration Scope.
- 2) Calibration of volumetric glassware by weighing the quantity of water delivered:-
- 3) Basis of test
 - a. As 2162.1 (1996)
 - b. Bs 846 (1985)
 - c. ISO 385/1, ISO 385/2 (1984)
 - d. ISO/ tr 20461 (2000)
 - e. ISO guide to the expression of uncertainty in measurement, 1st edition (1995)
- 4) Environment condition
- 5) Material and apparatus
- 6) Understand the equipment
 - a) Distilled water.
 - b) Temperature indicator with sensor.
 - c) Weighing scale/ balance.

- d) Barometer.
- e) Stop watch.
- f) Retort stand.
- g) Receiving vessel.
- h) Funnel
- i) Lint free gloves.

7) Correct method of handling & maintenance

8) Pre calibration inspection

9) Preparation a) Preparation of pre-calibration b) Preparation of test instrument

10) Calibration procedure a) Hands on practice 11) Measurement uncertainty calculation

METHODOLOGY:

Lectures, discussion, demonstration, hands-on practice and practical exercises

CERTIFICATE:

Participants are required to complete a project usually at the end of training or within 2 weeks of completion of the training

✓ Certificate of competency - achieves score points above 70 %

✓ Certificate of attendance - score points below 70 % or no submission of project

REGISTRATION FORM (E005):

PUBLIC TRAINING

Course Fee : RM 2,100 Per Pax
Training Date : Refer to Training Calendar
Venue : Ascendent Training Room
Duration : 2 Days
Time : 9:00 AM - 5:00 PM
Venue : Ascendent Technology Sdn Bhd
HRDF : SBL - Khas

Participant : Mr / Ms
 Designation :
 NRIC :
 Mobile No. :
 Email :

Participant : Mr / Ms.....
 Designation :
 NRIC :
 Mobile No. :
 Email :

Participant : Mr / Ms.....
 Designation :
 NRIC :
 Mobile No. :
 Email :

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 Designation :
 NRIC :
 Mobile No. :
 Email :

IN-HOUSE TRAINING

Course Fee : RM 6,000 Per Day
Duration : 2 Days
Time : 9:00 AM - 5:00 PM
HRDF : SBL - Khas
Maximum No. : 5 - 25 Candidates

CANCELLATION / POSTPONEMENT POLICY

1. Ascendent Technology Sdn.Bhd. reserves the right to cancel, postpone or make any changes to the venue and training dates due to unavoidable circumstances.
2. Reservation can be made by telephone or email, but will only be confirmed upon the received of completed registration form and payment.
3. Please do not make any travel arrangements until you have received written confirmation for your registration from us.
4. No cancellation is allowed but a candidate replacement can be arranged.
5. For confirm cancellation: 7 days notice prior to commencement will subjected to RM250 service charge. If less than 7 days notice, there will be no refund.
6. Confirm postponement for in-house training less than 14 days notice prior to commencement will subjected to 50% service charge on total invoice.

PAYMENT DETAILS

All cheques should be crossed and made payable to: **ASCENDENT TECHNOLOGY SDN BHD** Bank A/C No. **Maybank** 5127-6360-6820.

Admittance will be permitted upon receipt of full payment 2 weeks before the course is conducted.

Training certificate will be awarded upon received of full payment

FOR HR DEPARTMENT

Company Name:	Contact Person: Mr / Ms:	
Address:	Designation:	
	Department:	
	Email:	
	Mobile No:	
	Signature:	Company Stamp:
Training Date:		
Telephone:		
Type of Industry:		