

Measurement Uncertainty & Reference Materials

EU-China-Safe training event

14 December | 09:30 - 12:00 (GMT) | Hosted via Zoom

The training will be delivered in two on-line one hour sessions delivered via Zoom with a 20-minute break between each session. Each session will give an overview and point to sources of further information, training and guidance.

Each session will be structured as follows;

1. Introduction (5 minutes), Professor Chris Elliott
2. Presentation (40 minutes), Professor Michael Walker
3. Question and answer session (10 minutes), Professor Michael Walker
4. Conclusions

The session contents will cover the following topics;

Session 1: Measurement Uncertainty

What is measurement uncertainty and why do we need it?

- Definitions
- Sources of measurement uncertainty
- Available guidance

Uncertainty evaluation

- Key rules
- Converting and combining uncertainties
- 'Top-down' approaches
- Bioanalytical aspects

Interpretation of uncertainty

- Assessing compliance

Sources of further information, training and guidance

Session 2: Reference Materials

What is measurement uncertainty and why do we need it?

- The differences between reference materials (RM) and certified reference materials (CRM)

How should reference materials be made?

- ISO 17034 :2016 General requirements for the competence of reference material producers

What information should accompany RM and CRM

Selection of RM and CRM

Handling and storage

Use in method validation and analytical quality control

Sources of further information, training and guidance



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HOSTED VIA ZOOM

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