

ACCREDITATION

**Assuring the quality of
analytical results**

Máire C. Walsh

■ EVENTS

- Legislation
- Enforcement
- Implementation
- Quality
- Equivalence

PEOPLE

- Legislators
- Competent Authority
- Laboratory
- Accreditation Body
- ILAC & Regions

TOPICS

- Function & responsibility of laboratory
- Food legislation skills & expertise
- Analytical requirements & challenges
- ISO/IEC 17025

TOPICS Slide 2

- Legislator's responsibilities
- Competent Authorities (CA) requirements and responsibilities
- Role of ILAC & the Regions

LABORATORY

- Quality systems
- Knowledge of legislation
- Technology updating

Web sites

- www.aoac.org
- www.eurachem.ul.pt
- www.citac.cc
- www.eptis.bam.de
- www.comar.bam.de
- www.virm.net
- www.ilac.org

FOOD LEGISLATION

- Protection of public health
- Provide information
- Assist trade
- Support the justice system

ANALYTICAL REQUIREMENTS

- Chemistry
- Microbiology
- Molecular biology
- Microscopy

Analytical Slide 2

- Traceability
- Uncertainty of measurement
- Reference materials
- Proficiency testing

Section 4 Management requirements

- 4.4 Review of requests, tenders & contracts
- 4.5 Subcontracting of tests, etc.
- 4.6 Purchasing of services, etc.
- 4.7 Service to client

Section 5 Technical requirements

■ 5.4 Test and calibration methods and method validation

■ 5.4.2 Selection of methods

■ 5.4.4 Non standard methods

“these shall be subject to agreement with the client and shall include a clear specification of the clients requirements and the purpose of the test”

Technical requirements slide 2

- 5.7 Sampling
- 5.4.6 Estimation of uncertainty
- 5.6 Measurement traceability
- 5.9 Assuring quality
- 5.10 Test reports

Role of legislators

■ Legislation

- Sound scientific basis
- Enforceable
- Withstand scrutiny in court

■ Analytical aspects

- Method criteria
- Quality parameters & other requirements

Competent Authority

- Utilise clauses 4.4 and 5.4 of ISO/IEC 17025
- Communicate with the laboratory

ILAC & The Regions

- ILAC Arrangement (MRA)

“developing and maintaining a MRA between recognised accreditation bodies is to assist the removal of technical barriers to trade by putting in place a network of accreditation body and laboratory competence which is transparently operating to recognised international standards”

ILAC Slide 2

- Committees supporting the MRA
 - Arrangement Management
 - Arrangement
 - Accreditation (AIC)
 - Marketing & Communications

- Web www.ilac.org

ILAC Slide 3

Accreditation committee

- Surveillance and reassessment
- Uncertainty in calibration
- Reference materials
- Proficiency testing

Accreditation committee continued

- Flexible scopes
- Sampling
- Opinions & interpretations

SUMMARY

- Accreditation
- Legislators
- Competent Authority

WEB SITES

- www.ilac.org
- www.eurachem.ul.pt
- www.citac.cc
- www.aoac.org
- www.eptis.bam.de
- www.comar.bam.de
- www.virm.net