



Pancyprian Union of Chemists
Division of Quality Assurance
Eurachem Cyprus Committee



**Laboratory Accreditation
A Two-Day Training Workshop**

RECENT DEVELOPMENTS IN QUALITY ASSURANCE

12-13 March 2024

Cleopatra Hotel, Nicosia, Cyprus

Day 1 – Tuesday 12 March 2024	
08:30 - 09:00	Registration and refreshments
09:00 - 09:30	Introductory session <ul style="list-style-type: none">– Welcome addresses by Eurachem Chair (<i>Isabelle Verduyck, video message</i>)– Introduction to ETWG, Pancyprian Union of Chemists (PUC)– An introduction by the Division of Quality Assurance of PUC– Presentation of the tutors and the participants– Introduction – Scope and expectations of the training
09:30 - 10:15	The revised Eurachem guide to terminology in analytical measurement (<i>Vicki Barwick</i>)
10:15 - 11:00	New publications relating to Quality Assurance (<i>Kyriacos Tsimillis/Despina Charalambous</i>)
11:00 - 11:30	<i>Break</i>
11:30 - 12:15	Introduction to metrology (<i>Vicki Barwick</i>)
12:15 - 13:00	Verification, validation and method performance (<i>Marios Kostakis</i>)
13:00 - 14:00	<i>Lunch</i>
14:00 - 14:45	Validation of non-targeted methods (<i>Marios Kostakis</i>)
14:45 - 15:15	Establishing metrological traceability – a practical approach (<i>Steve Ellison</i>)
15:15 - 15:45	<i>Break</i>
15:45 - 16:45	Exercise 1: Establishing metrological traceability
16:45 - 17:15	Posters Session
17.15	<i>End of Day 1</i>
20.00	<i>Dinner</i>

Day 2 – Wednesday 13 March 2024	
09:00 - 09:45	Internal quality control (Bertil Magnusson)
09:45 - 10:15	External quality assurance – the new ISO/IEC 17043 (Brian Brookman)
10:15 - 11:00	Measurement uncertainty – Requirements of ISO/IEC 17025 and ISO 15189 (Ricardo Bettencourt da Silva)
11:00 - 11:30	Break
11:30 – 12:15	Measurement uncertainty in microbiological methods (Bertil Magnusson)
12:15 - 13:00	Exercise 2: Evaluating measurement uncertainty
13:30 - 14:00	Lunch
14:00 - 14:15	Feedback on Exercise 2
14:15 - 15:00	Quality assurance in qualitative analysis – worked examples (Ricardo Bettencourt da Silva)
15:00 - 15:30	Break
15:30 - 16:15	Presentation of participants' experiences
16:15 - 16:45	Concluding remarks and presentation of certificates
16:45	Close of course