

Guidelines for Estimation of Measurement Uncertainty in Chemical Analysis

1. Purpose

This Guide gives detailed guidance for the evaluation and expression of uncertainty in quantitative chemical analysis, based on the approach taken in the ISO “Guide to the Expression of Uncertainty in Measurement”

2. Application

This Guide is applicable at all levels of accuracy and in all fields - from routine analysis to basic research and to empirical and rational methods

3. References

- 3.1 EURACHEM / CITAC Guide CG 4. Quantifying Uncertainty in Analytical Measurement. Third edition, 2012.

4. Definition and Abbreviation

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5. Associated document

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6. Procedures

Bureau of Laboratory Quality Standards (BLQS) has adopted without any changes the EURACHEM / CITAC Guide CG 4. Quantifying Uncertainty in Analytical Measurement, third edition; 2012, for their accreditation testing laboratories as describe in the attached document.

7. Data record and Used document

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8. Supplementary notes

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9. History of Change

Revision No.	Documentation Changes	Prepared/ Revised by	Date Issued
00	Initial Document	Aran Tanukat	-
01	Edited the reference to current	Aran Tanukat	15 Oct 2013
02	- Edited prepared/ reviewed by and controlled copy list	Saovanee Aromsook	12 Dec 2018
03	Edited approver	Saovanee Aromsook	12 MAR 2024
04	Edited reviewed by	Saovanee Aromsook	OCT 2025