

Proficiency Testing Program

Organised by

Center for Laboratory Proficiency Testing

Department of Science Service, Ministry of Science and Technology, Bangkok, Thailand

Standard solution:

Hydrochloric acid (HCl) and Ethylenediaminetetraacetic acid (EDTA)

PTCH - SS02 - 1801

11 April 2018

SUMMARY SHEET

Laboratory Name : Technical Training and Support Service,
Center for Scientific and Technological Equipment,
Walailak University

Laboratory Code : SS02 - 1801 - 047

| Test Items | Number of results | Assigned value (x_{pt}) | Standard deviation for proficiency assessment (σ_{pt}) | Lab's result | z-score |
|------------|-------------------|-----------------------------|---|--------------|---------|
| HCl (M) | 56 | 0.0248 | 0.0012 | 0.0244 | -0.33 |
| EDTA (M) | 52 | 0.0298 | 0.0015 | 0.0294 | -0.27 |

Note

1. Assigned values (x_{pt}) are the robust averages of the participant results in this round, calculated by using Algorithm A (ISO 13528: 2015).
2. Standard deviations for proficiency assessment (σ_{pt}) are the target standard deviations by perception from expert judgement.
3. Each z-score marked with "A" is an outlier ($|z| \geq 3.0$) therefore, laboratory which is marked with "A" shall investigate the result. Laboratory is also encouraged to review the result which has an absolute z-score value between two and three (i.e. $2.0 < |z| < 3.0$) or marked with "W".
4. This summary sheet should be read in conjunction with the final report.

Reported by



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Approved by



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