

Proficiency Testing Program

Organised by

Center for Laboratory Proficiency Testing

Department of Science Service,

Ministry of Higher Education, Science, Research and Innovation, Thailand

Standard solution:

Hydrochloric acid (HCl) and Ethylenediaminetetraacetic acid (EDTA)

PTCH - SS02 - 2101

7 April 2021

SUMMARY SHEET

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

Laboratory Code : SS02 - 2101 - 028

Test items	Number of results	Assigned value (x_{pt})	Standard deviation for proficiency assessment (σ_{pt})	Lab's result	MU	z-score
HCl (M)	46	0.0990	0.0050	0.0995	-	0.10
EDTA (M)	43	0.0100	0.0005	0.0100	-	0.00

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 MU are measurement uncertainties at 95% confidence level.
4. Each z-score marked with "A" is an outlier ($|z| \geq 3.0$). Therefore, laboratory which is marked with "A" shall investigate result. Laboratory is also encouraged to review result which has an absolute z-score value between two and three ($2.0 < |z| < 3.0$) or marked with "W".
5. This summary sheet should be read in conjunction with the final report.

Reported by



(Mrs. Yaowalux Chinchusak)

Program Coordinator

Approved by



(Mrs. Wannee Aupaiboon)

Head of Center for Laboratory Proficiency Testing
Department of Science Service