

Proficiency Testing Program
Organised by
Center for Laboratory Proficiency Testing
Department of Science Service,
Ministry of Higher Education, Science, Research and Innovation, Thailand
Total Dissolved Solids (TDS) in water
PTEN - W07 - 2001
26 June 2020
SUMMARY SHEET

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

Laboratory Code : W07 - 2001 - 184

Sample	Number of results	Assigned value (X_{pt}) (mg/L)	Standard deviation for proficiency assessment (σ_{pt}) (mg/L)	Lab's result (mg/L)		z-score
				Value	MU	
A	339	279.2	14.0	274	-	-0.37
B	340	365.0	18.3	362	-	-0.16

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 the result. Laboratory is also encouraged to review the result which has an absolute z-score value between two and three ($2.0 < |z| < 3.0$) marked with "W".
5. This summary sheet shall be read in conjunction with the final report.

Reported by



(Miss Sukanya Pondet)
Program Coordinator

Approved by



(Mrs. Wannee Aupaiboon)
Head of Center for Laboratory Proficiency Testing
Department of Science Service