

**Proficiency Testing Program**  
**Organised by**  
**Center for Laboratory Proficiency Testing**  
**Department of Science Service,**  
**Ministry of Higher Education, Science, Research and Innovation, Thailand**  
**Total Suspended Solids (TSS) in water**

PTEN - W04 - 2001

26 May 2020

**SUMMARY SHEET**

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

Laboratory Code : W04 - 2001 - 134

Sample	Number of results	Assigned value ( $x_{pt}$ ) (mg/L)	Standard deviation for proficiency assessment ( $\sigma_{pt}$ ) (mg/L)	Lab's result (mg/L)		z-score
				Value	MU	
A	318	220.4	17.6	214	3.7	-0.36
B	318	462.5	37.0	450	8.3	-0.34

**Note**

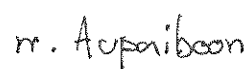
1. Assigned values ( $x_{pt}$ ) are the robust averages of the participant results in this round, calculated by using Algorithm A (ISO 13528: 2015).
2. Standard deviations for proficiency assessment ( $\sigma_{pt}$ ) are the target standard deviations by perception from expert judgement.
3. MU are measurement 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



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