



Proficiency Testing Program  
Organised by  
Center for Laboratory Proficiency Testing  
Department of Science Service,  
Ministry of Science and Technology, Bangkok, Thailand  
Aerobic plate count in Starch  
PTFF - ST02 - 1901  
7 May 2019  
SUMMARY SHEET

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

Laboratory Code : ST02 - 1901 - 104

Test item	Number of results	Lab's result as lab reported (cfu/g)	Transformed Lab's result (log cfu/g)	Assigned value ( $x_{pt}$ ), (log cfu/g)	Standard deviation for proficiency assessment ( $\sigma_{pt}$ ), (log cfu/g)	z - score
Aerobic plate count	125	$3.3 \times 10^5$	5.52	5.15	0.50	0.74

Note

1. Assigned value ( $x_{pt}$ ) is the robust average of the participant results (in  $\log_{10}$  form) in this round, calculated by using Algorithm A (ISO 13528: 2015).
2. Standard deviation for proficiency assessment ( $\sigma_{pt}$ ) is set at a value of 0.50 log cfu/g from expert judgement for best practice.
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 ( $2.0 < |z| < 3.0$ ) marked with "W".
4. This summary sheet shall be read in conjunction with the final report.

Reported by

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Approved by

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