



Report No. 1335/2020

Proficiency Testing Program

Organised by

Center for Laboratory Proficiency Testing, Department of Science Service,
Ministry of Higher Education, Science, Research and Innovation, Thailand

Aerobic plate count in Starch

PTFF - ST02 - 2001

7 May 2020

SUMMARY SHEET

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

Laboratory Code : ST02 - 2001 - 021

Test item	Number of results	Lab's result as lab reported (cfu/g)	Transformed Lab's result (\log_{10} cfu/g)	Assigned value (x_{pt}), (\log_{10} cfu/g)	Standard deviation for proficiency assessment (σ_{pt}), (\log_{10} cfu/g)	z - score
Aerobic plate count	117	320,000	5.51	5.31	0.50	0.40

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 (σ_{pt}) is set at a value of 0.50 \log_{10} cfu/g 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 ($2.0 < |z| < 3.0$) marked with "W".
4. This summary sheet shall be read in conjunction with the final report.

Reported by

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