



Proficiency Testing Program
Organised by
Center for Laboratory Proficiency Testing,
Department of Science Service,
Ministry of Higher Education, Science, Research and Innovation, Thailand
pH - value, Total nitrogen and Salt (as NaCl) in Fish sauce
PTFF - SS01 - 2001
26 May 2020

SUMMARY SHEET

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

Laboratory Code : SS01 - 2001 - 040

Test items	Sample	Number of results	Assigned value (x_{pt})	Standard deviation for proficiency assessment (σ_{pt})	Lab's result		z - score
					Value	MU	
pH - value @ 25 °C	A	44	5.03	0.10	-	-	-
	B	44	4.75	0.10	-	-	-
Total Nitrogen (g/L)	A	33	15.02	0.90	14.79	-	-0.26
	B	34	5.23	0.31	5.22	-	-0.03
Salt (as NaCl) (g/L)	A	36	257	26	-	-	-
	B	36	272	27	-	-	-

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

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Approved by

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