



Proficiency Testing Program Organised by

Center for Laboratory Proficiency Testing Department of Science Service,

Ministry of Science and Technology, Bangkok, Thailand

PTEN - SL01 - 1801

9 July 2018

SUMMARY SHEET

Laboratory Name : Technical Training and Support Service, Center for Scientific and

Technological Equipment, Walailak University

Laboratory Code

: SL01 - 1801 - 038

Test items (mg/kg)	Number of results	Assigned value (x_{pt})	Standard deviation for proficiency assessment (σ_{pt})	Lab's result		
				Value	MU	z-score
Cadmium (Cd)	68	4.91	0.98	5.30	-	0.40
Chromium (Cr)	68	41.01	8.20	55.4		1.75
Nickel (Ni)	65	24.55	4.91	27.8		0.66
Lead (Pb)	70	27.02	5.40	26.7	<u>-</u>	-0.06

<u>Note</u>

- 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 from expert judgement.
- 3. Each z-score marked with "A" is an outlier ($|z| \ge 3.0$). 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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Head of Center for Laboratory Proficiency Testing Department of Science Service