



Proficiency Testing Program

Organised by

Center for Laboratory Proficiency Testing

Department of Science Service,

Ministry of Science and Technology, Bangkok, Thailand

pH - value, Benzoic acid and Sorbic acid in Beverage

PTFF - BV01 - 1801

26 July 2018

SUMMARY SHEET

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

Laboratory Code : BV01 - 1801 - 026

Test items	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	37	2.68	0.10	2.76	0.04	0.80
Benzoic acid (mg/kg)	24	173	17	-	-	-
Sorbic acid (mg/kg)	22	159	16	-	-	-

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 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

(Mrs. Wannee Aupaiboon)

Program Coordinator

Approved by

(Mrs. Pochaman Tagheen)

Head of Center for Laboratory Proficiency Testing

Department of Science Service