

DETERMINATION OF MELAMINE IN MILK

INTER-LABORATORY COMPARISON PROGRAMME



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Summary of Results

1. The inter-laboratory comparison programme (HKGL 0803) aimed at evaluating the testing capability of participants on the quantitative analysis of melamine in milk sample. Fourteen Hong Kong testing laboratories registered to participate in the programme and thirteen of them returned the results to the organizer.

2. The z-score is used as the numerical indicator to assess individual participant's competence relative to the others in the programme. The assigned values of melamine were derived from the quantities of melamine gravimetrically spiked into the samples. The target standard deviations for the assessment were calculated using the Horwitz Equation^{9.1}.

3. The z-scores achieved by participants are summarized as follows:

Performance Achieved	Laboratory Code			
	Sample 1	Sample 2	Sample 3	Sample 4
$ z \leq 2$	1, 4, 7	1, 2, 3, 4, 5, 7, 9, 10, 11, 13	*	1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13
$2 < z < 3$	---	12	*	---
$ z \geq 3$	2, 6, 8, 12	6, 8	*	6

“*” not evaluated for a qualitative analysis. Assessment results for Sample 3 are listed in clause 6.3.3.