



Asia Pacific Laboratory Accreditation Cooperation



**MALACHITE GREEN &
LEUCOMALACHITE GREEN
IN SWAMP EELS
PROFICIENCY TESTING
PROGRAMME**

APLAC T058

FINAL REPORT

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Proficiency Test Advisory Board

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Summary of Results

1. The proficiency testing programme (APLAC T058) aimed at evaluating the testing capability of participants on the quantitative analysis of MG and LMG in swamp eels.
2. A total of 48 laboratories from 21 different economies participated in the programme. 45 participants (93.8%) returned their results on or before the deadline of the programme.
3. The assigned values used for z-score assessment were based on a reverse isotope dilution liquid chromatography-mass spectrometric (ID-LC-MS) method. The assigned values were 28.2 µg/kg for MG and 2.21 µg/kg for LMG respectively.
4. Results of APLAC T058 are as follows:

Performance Achieved	Number of Participants		Percentage of Participants	
	MG	LMG	MG	LMG
$ z \leq 2$	20	18	48 %	62 %
$2 < z < 3$	9	3	21 %	10 %
$ z \geq 3$	13	8	31 %	28 %
Total:	45	29	100 %	100 %