



Asia Pacific Laboratory Accreditation Cooperation



# **MELAMINE IN FISH FEED**

## **PROFICIENCY TESTING PROGRAM**

### **APLAC T069**

# **FINAL REPORT**

**26 August 2009**

Prepared by:

Dr. Yiu-chung WONG  
Chemical Metrology Development Committee  
Government Laboratory, Hong Kong

## Summary of Results

1. The proficiency testing program (APLAC T069) is aimed at evaluating the testing capability of participants on the quantitative analysis of melamine in fish feed.
2. A total of 52 laboratories from 20 economies registered to participate in the program and 48 of them returned results to the organizer.
3. Consensus mean and performance standard deviation were respectively determined by robust statistic and Horwitz equation. Z-score was used to assess the performance of participants in this program.

4. Summary of participants' results:

Data submitted	:	48
Data for consensus mean	:	47
Median	:	2.40 mg/kg
Consensus mean	:	2.53 mg/kg
Range	:	0.768-24.1 mg/kg
Between-laboratory variation	:	23.5%

5. Summary of participants' z-scores:

Performance	Number of participants (Percent)
$ z  \leq 2$	35 (74.4%)
$2 <  z  < 3$	2 (4.4%)
$ z  \geq 3$	10 (21.3%)
Total:	47 (100%)